FMC Technologies

Link-Belt®

Belt Conveyor Idlers

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Link-Belt®

The Driving Force of Industry Standards

For over 130 years FMC Technologies and its predecessor Link-Belt® have designed and built conveyors and components that have set the standard of excellence in the bulk material handling industry.

While your requirements are special to you, our engineers have faced similar situations and are intimately familiar with the challenges of handling bulk materials.

Our design engineering and production experience are the differences which set FMC Technologies apart in reliability and dependability. We put you first. And keep you ahead.

FMC Technologies Material Handling Solutions

FMC Technologies, Material Handling Solutions, in Tupelo, Mississippi, is one of the most modern plants in the industry.

The 330,000 square foot plant and office complex houses our sophisticated computer-aided (CAD) design group adjacent to this very modern manufacturing facility.

Administration, sales, engineering and manufacturing interface daily in this excellent operating environment. The result is product quality and efficiency that result in both performance and price advantages for you.

About Our Products

Belt conveyor idlers, underground belt conveyors and equipment, engineered screw conveyors, standard industrial screw conveyors and components, feeders, vibratory equipment, and bucket elevators are the principal products manufactured by FMC Technologies in Tupelo, Mississippi.

All FMC Technologies Link-Belt conveyor products meet or exceed CEMA standards, and all Link-Belt equipment is produced to conform with OSHA operational safety requirements. This includes the preparation of procedures and instructions that meet the requirements of the ISO Standard 9001-2008, and effective implementation and maintenance of these procedures and instructions.

Customer Service

Prompt shipment, on-time delivery and after-the-sale service are FMC Technologies trademarks. Response to your inquiries, reliable delivery and follow through have built our reputation as a service oriented company.

Our customer service specialists understand your needs and are experienced in meeting them.

In addition to the substantial inventory of Link-Belt equipment and replacement parts at our Tupelo plant you can look to hundreds of authorized stocking distributors located throughout the United States and internationally to provide you prompt local service.

We put you first.
And keep you ahead.

CEMA series C3000 and D3000 idlers

Frames

- Inverted angle frame base with slotted foot straps to ensure quick, easy mounting and alignment
- Heavy-duty, die-formed, steel end brackets are contoured for generous clearance to safeguard against spilled materials becoming jammed and impeding the rotation of the rollers
- All idler frames are welded in accordance with AWS D1.1 specifications for structural welds

Seal

- The outer adjusting nuts are zinc plated, machined steel, to minimize corrosion
- Rubber triple lip contact seal paired with a nylon deflector nut with integrated labyrinth seal for robust, redundant sealing capability
- Seal works well in dusty conditions and wash down environments

Coatings

- Frames and rolls are powder-coated (see page 98 for details)
- Assembly hardware is electro-zinc plated

CEMA

- Idlers meet or exceed CEMA requirements for rugged, continuous material handling
- Multiple belt widths and models available to meet your needs

Roll Thickness

- 5” diameter = 9 ga (.148)
- 6” diameter = 8 ga (.165)
- *4” diameter rolls are available*
- *1/4” thick steel rolls are optional*

Testing Capabilities

- Load rating
- Seals
- Roll concentricity
- Roll resistance
- Roll imbalance
- Water resistance

One of the following letter suffixes may sometimes be necessary to complete an idler description:

P - Polyethylene rolls

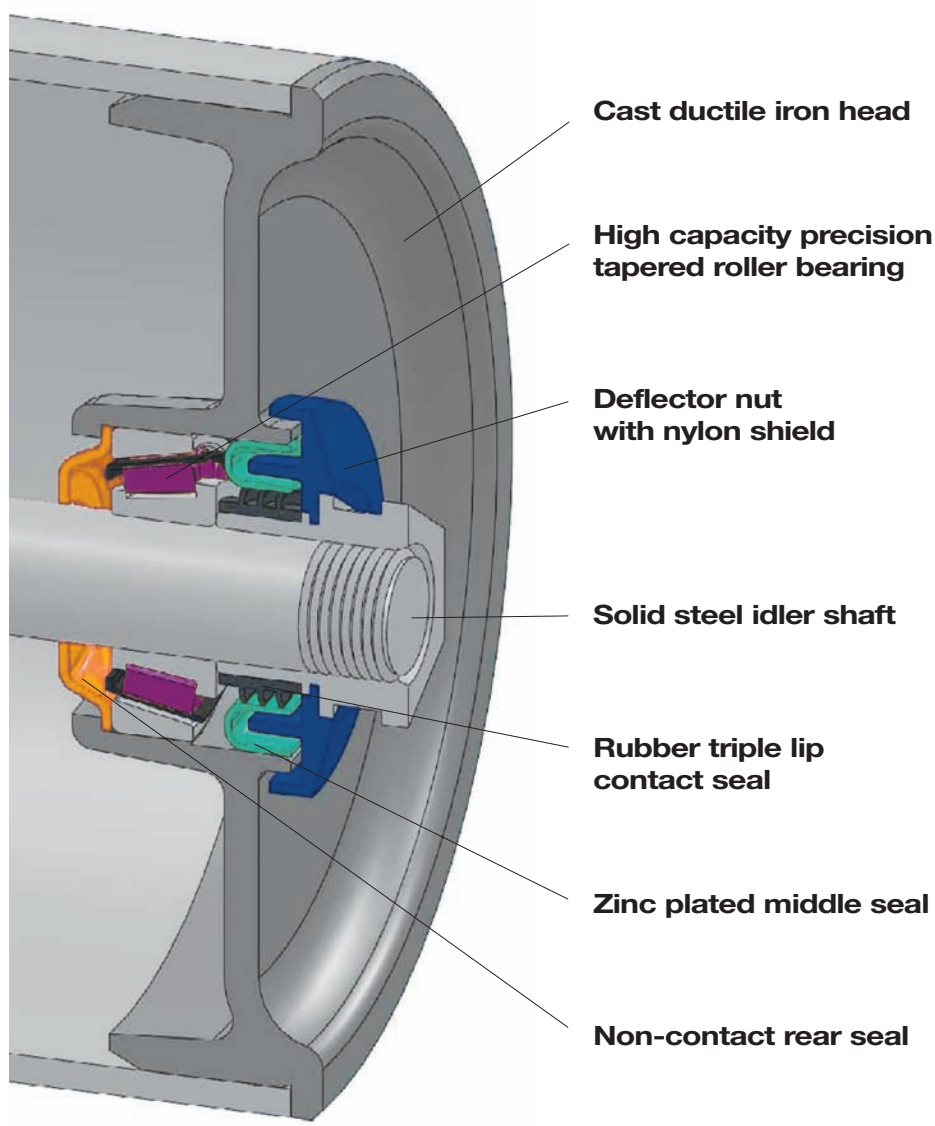
R - Rubber lagged impact or rubber tread rolls

RC - Rubber lagged impact center roll

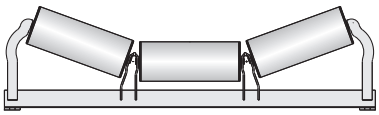
W - Scale idler

U - Urethane coated or lagged rolls

GAL - Galvanized frame

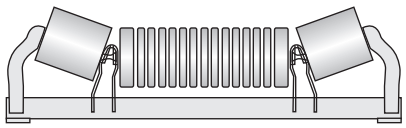

Cast ductile iron head
High capacity precision tapered roller bearing
Deflector nut with nylon shield
Solid steel idler shaft
Rubber triple lip contact seal
Zinc plated middle seal
Non-contact rear seal

carrying idler types

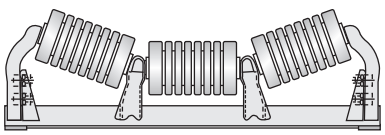


Troughed belt idlers for general carrying service are available with roll inclinations of 20˚, 35˚, and 45˚.

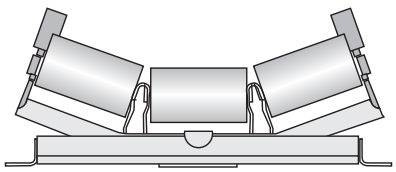
Flat belt idlers are used for handling bulk materials such as prepared foundry sand and undelinted cotton seed where it is desirable to plow off material at one or more intermediate points along the conveyor. Also used for pulpwood logs, packages, picking and sorting conveyors. Live shaft type is available for heavy duty service.



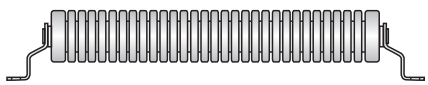
Troughed belt picking and feeder conveyor idlers carry the load in a wide, thin layer where picking and sorting are required or where a shallow bed of material is required to minimize degradation. Standard design features rubber cushion center roll and steel end rolls. Also available with all steel or all rubber cushion rolls.



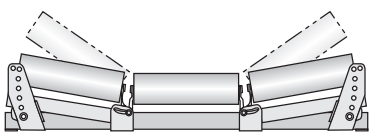
Troughed belt rubber cushion idlers protect the belt by absorbing impacts at loading and transfer points. Design features include removable end brackets on 35˚ and 45˚ idlers.



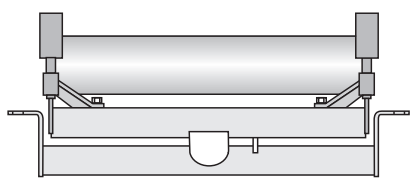
Troughed belt training idlers automatically train belts and protect belt edges from damage caused by misalignment. Positive action type available for belts operating in one direction, and actuating shoe type available for two-directional operation (reversing).



Flat belt rubber cushion idlers protect the belt by absorbing impacts at loading and transfer points. Live shaft type is for heavy-duty service.



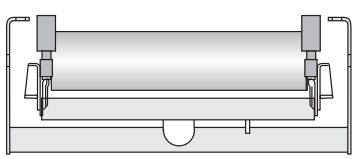
Variable troughed belt idlers placed between the final troughing idler and the head pulley, support the belt during its transition from a concave to a flat contour. The end rolls can be adjusted vertically to match the changing contour of the belt during this critical period of transition.



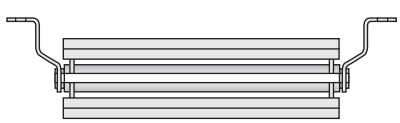
Flat belt training idlers automatically train belts and protect belt edges from damage caused by misalignment. Available in the positive action type for belts operating in one direction.

return idler types

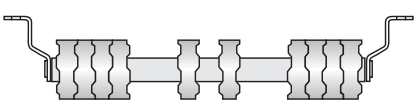
Return belt idlers carry the empty belt on the return run.



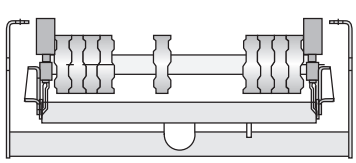
Return belt training idlers train the belt and protect its edges from damage caused by misalignment. Positive action type for belts operating in one direction. Actuating shoe type for reversing belts.



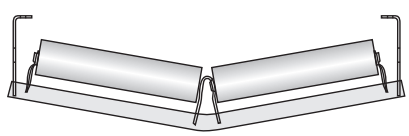
Return belt beater idlers remove excessive amounts of tenacious materials that adhere to the belt.



Return belt rubber tread idlers are used when wet or sticky materials tend to cling to the belt, where corrosion resistance is required or where chemical reaction to iron or steel is involved. Available with urethane treads.



Return rubber tread training idlers train the belt and protect its edges from damage caused by misalignment. Used when wet or sticky materials tend to cling to the belt, where corrosion resistance is required or where chemical reaction to iron or steel is involved. Positive action type for belts operating in one direction. Actuating shoe type for reversing belts.



Rigid frame v-return idlers provide a means of training the return belt, with the added benefit of additional carrying load capacity. Rigid v-returns can be adjusted using slotted bolt holes in the end brackets of the frame to aid in proper belt training.

CEMA C / D idlers of every type to meet your specific needs…

FMC Model Number	Page	CEMA C	CEMA D	10°	15°	20°	35°	45°	10-35° variable
3501S / 3601S	8	18” - 60”	24” - 72”			●			
3502S / 3602S	16	20” - 60”	24” - 72”					●	
3504S / 3604S	9	18” - 60”	24” - 72”			●			
3505S / 3605S	20	24” - 60”	30” - 72”			●			
3505RS / 3605RS	21	24” - 60”	30” - 72”			●			
3505RCS / 3605RCS	21	24” - 60”	30” - 72”			●			
3506S / 3606S	22	24” - 60”	24” - 72”						●
3507S / 3607S	10	18” - 60”	24” - 72”			●			
3508S / 3608S	11	18” - 60”	24” - 72”			●			
3509S / 3609S	18	18” - 60”	24” - 72”					●	
3511S / 3611S	19	18” - 60”	24” - 72”					●	
3513S / 3613S	23	18” - 48”	24” - 78”						
3513LS / 3613LS	24	18” - 60”	N/A						
3514S / 3614S	27	18” - 48”	24” - 72”						
3515S / 3615S	25	18” - 48”	24” - 72”						
3516S / 3616S	26	18” - 60”	N/A						
3517S / 3617S	29	18” - 48”	24” - 72”						
3518S / 3618S	28	18” - 48”	24” - 72”						
3619S	30	18” - 48”	24” - 60”						
3520S / 3620S	31	18” - 48”	24” - 72”						
3521S / 3621S	32	18” - 48”	24” - 72”						
3523S / 3623S	17	20” - 60”	24” - 72”					●	
3526S / 3626S	33	18” - 48”	24” - 72”						
3527S / 3627S	34	18” - 48”	24” - 72”						
3528S / 3628S	12	18” - 60”	24” - 72”				●		
3530S / 3630S	13	18” - 60”	24” - 72”				●		
3532S / 3632S	14	18” - 60”	24” - 72”				●		
3537S / 3637S	15	18” - 60”	24” - 72”				●		
3565S / 3665S	35	24” - 66”	36” - 78”	●					
3566S / 3666S	36	24” - 66”	36” - 78”		●				
3668S	37	24” - 66”	36” - 78”	●					
3669S	38	24” - 66”	36” - 78”		●				

CAUTION: Link-Belt Conveyor idlers must be installed, operated and maintained in accordance with accompanying FMC Technologies Service Instructions. Failure to follow these instructions can result in serious personal injury, property damage or both.

FMC Technologies Service Instructions are available for download at www.fmctechnologies.com/materialhandling.

Flat Carrying	Return	V Return	Training Positive	Training Reversing	Picking & Feeding	Live Shaft	Steel	Rubber Cushion (Impact)	Rubber Tread
							●		
							●		
								●	
					●		●		
				●				●	
					●		● (ends)	● (center)	
							●		
			●				●		
				●			●		
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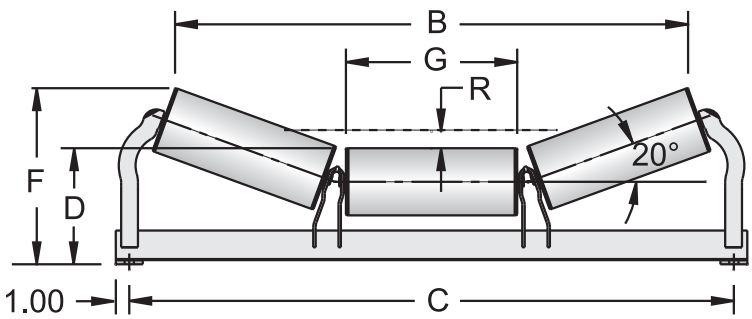
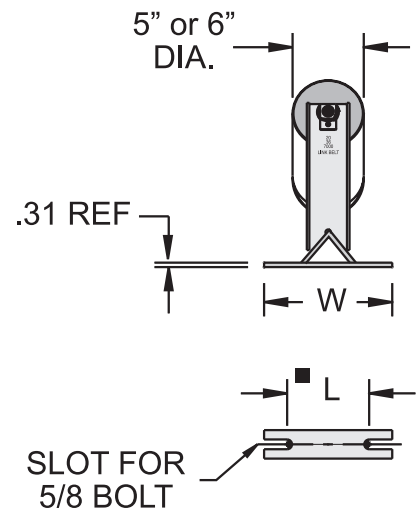
20° troughed belt idlers equal length rolls

steel rolls





CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9”)		Wide Base (Belt width + 15”)		B	D	F	G	L	R**	W
			Idler weight, pounds	C	Idler weight, pounds	C	Inches						
18	5”	C3501S-18	43	27.00	45	33.00	20.56	8.25	10.69	6.69	5.75	0.94	9.00
	6”	C3601S-18	52	27.00	54	33.00	20.25	8.75	11.12	6.69	5.75	0.94	9.00
20	5”	C3501S-20	45	29.00	47	35.00	22.75	8.25	10.94	7.44	5.75	1.00	9.00
	6”	C3601S-20	57	29.00	59	35.00	22.38	8.75	11.31	7.44	5.75	1.00	9.00
24	5”	3501S-24	52	33.00	54	39.00	26.69	8.25	11.38	8.81	5.75	1.25	9.00
	6”	3601S-24	66	33.00	68	39.00	26.31	8.75	11.88	8.81	5.75	1.25	9.00
30	5”	3501S-30	60	39.00	62	45.00	32.44	8.62	12.44	10.81	5.75	1.62	9.00
	6”	3601S-30	69	39.00	71	45.00	32.12	9.12	12.94	10.81	5.75	1.62	9.00
36	5”	3501S-36	70	45.00	72	51.00	38.19	8.62	13.12	12.81	5.75	1.94	9.00
	6”	3601S-36	81	45.00	83	51.00	37.88	9.12	13.62	12.81	5.75	1.94	9.00
42	5”	3501S-42	89	51.00	92	57.00	44.88	9.00	14.31	15.12	5.75	2.25	9.00
	6”	3601S-42	99	51.00	102	57.00	44.56	9.50	14.75	15.12	5.75	2.25	9.00
48	5”	3501S-48	97	57.00	100	63.00	50.62	9.00	15.00	17.12	5.75	2.62	9.00
	6”	3601S-48	110	57.00	113	63.00	50.31	9.50	15.44	17.12	5.75	2.62	9.00
54	5”	3501S-54	105	63.00	108	69.00	56.56	9.00	15.69	19.19	5.75	2.94	9.00
	6”	3601S-54	117	63.00	120	69.00	56.25	9.50	16.19	19.19	5.75	2.94	9.00
60	5”	3501S-60	118	69.00	121	75.00	62.31	9.00	16.38	21.19	5.75	3.25	9.00
	6”	3601S-60	133	69.00	136	75.00	62.00	9.50	16.81	21.19	5.75	3.25	9.00
72	5”	D3501S-72	143	81.00	147	87.00	73.88	9.38	18.12	25.19	8.25	3.94	11.50
	6”	D3601S-72	158	81.00	162	87.00	73.50	9.88	18.56	25.19	8.25	3.94	11.50

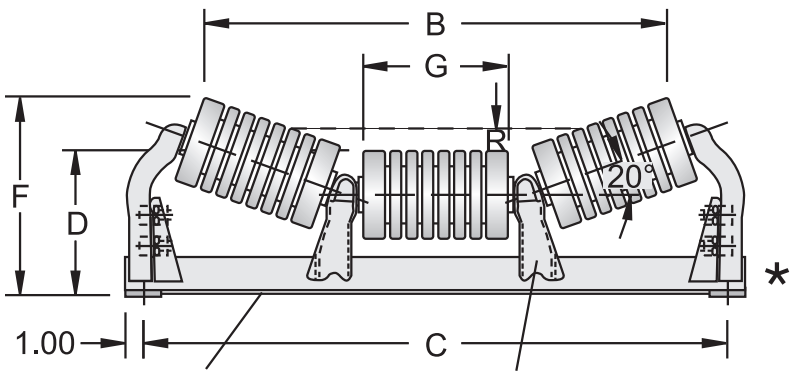
** To top of discharge or bend pulleys, except foot pulley.

■ Bolt spacing recommended to permit adjustment is (L + 1.75”). Example: If “L” = 5.75” then (5.75“ + 1.75” = 7.5” bolt spacing)

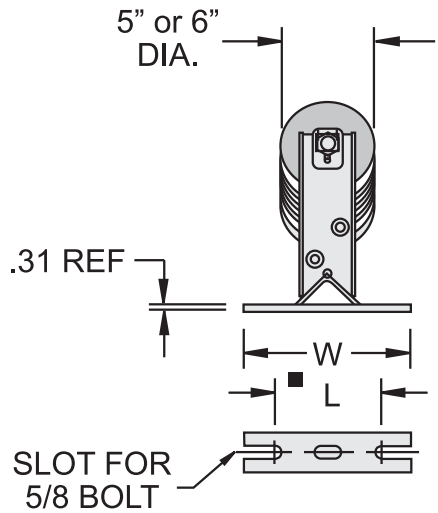
● CEMA C or D are available in belt widths of 24” - 60”.

troughed belt idlers equal length rolls 20°

rubber cushion rolls (impact)



- 7 gage reinforcing plate for 36”-72” belt widths
- Heavy duty gussets for increased load capacity 36”-72” belt widths



* Demountable end bracket supplied for 36”- 72” belt widths

CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9”)		Wide Base (Belt width + 15”)		B	D	F	G	L	R**	W
			Idler weight, pounds	C	Idler weight, pounds	C	Inches						
18	5”	C3504S-18	44	27.00	46	33.00	20.00	8.25	10.50	6.06	5.75	0.88	9.00
	6”	C3604S-18	51	27.00	53	33.00	19.62	8.75	11.00	6.06	5.75	0.88	9.00
20	5”	C3504S-20	49	29.00	50	35.00	22.00	8.25	10.81	6.81	5.75	1.06	9.00
	6”	C3604S-20	58	29.00	60	35.00	21.81	8.75	11.25	6.81	5.75	1.06	9.00
24	5”	3504S-24	54	33.00	56	39.00	26.00	8.25	11.25	8.19	5.75	1.25	9.00
	6”	3604S-24	63	33.00	64	39.00	25.75	8.75	11.75	8.19	5.75	1.25	9.00
30	5”	3504S-30	64	39.00	66	45.00	31.88	8.62	12.38	10.19	5.75	1.62	9.00
	6”	3604S-30	70	39.00	72	45.00	31.56	9.12	12.81	10.19	5.75	1.62	9.00
36	5”	3504S-36	75	45.00	77	51.00	37.62	8.62	13.00	12.19	5.75	1.94	9.00
	6”	3604S-36	86	45.00	88	51.00	37.25	9.12	13.44	12.19	5.75	1.94	9.00
42	5”	3504S-42	96	51.00	99	57.00	44.25	9.00	14.12	14.50	5.75	2.25	9.00
	6”	3604S-42	108	51.00	111	57.00	43.94	9.50	14.62	14.50	5.75	2.25	9.00
48	5”	3504S-48	106	57.00	109	63.00	50.00	9.00	14.81	16.50	5.75	2.56	9.00
	6”	3604S-48	121	57.00	124	63.00	49.50	9.50	15.31	16.50	5.75	2.56	9.00
54	5”	3504S-54	119	63.00	121	69.00	56.00	9.00	15.56	18.56	5.75	3.00	9.00
	6”	3604S-54	135	63.00	138	69.00	55.62	9.50	16.00	18.56	5.75	3.00	9.00
60	5”	3504S-60	129	69.00	131	75.00	61.75	9.00	16.25	20.56	5.75	3.25	9.00
	6”	3604S-60	148	69.00	151	75.00	61.38	9.50	16.69	20.56	5.75	3.25	9.00
72	5”	D3504S-72	152	81.00	157	87.00	73.25	9.38	17.94	24.56	8.25	3.94	11.50
	6”	D3604S-72	171	81.00	176	87.00	72.94	9.88	18.44	24.56	8.25	3.94	11.50

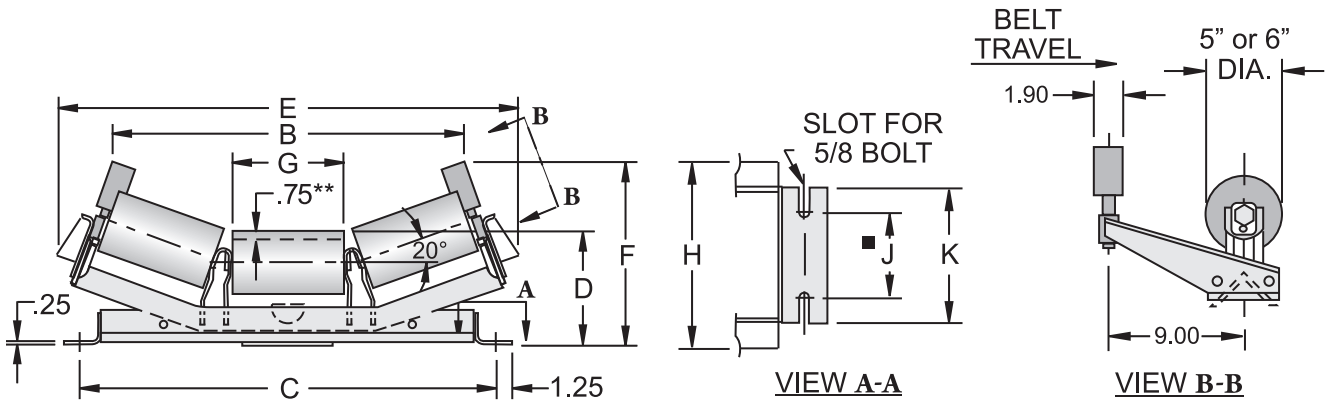
** To top of discharge or bend pulleys, except foot pulley.

■ Bolt spacing recommended to permit adjustment is (L + 1.75”). Example: If “L” = 5.75” then (5.75“ + 1.75” = 7.5” bolt spacing)

● CEMA C or D are available in belt widths of 24” - 60”.

20° troughed belt training idlers equal length rolls

positive action type
(above deck mounting)



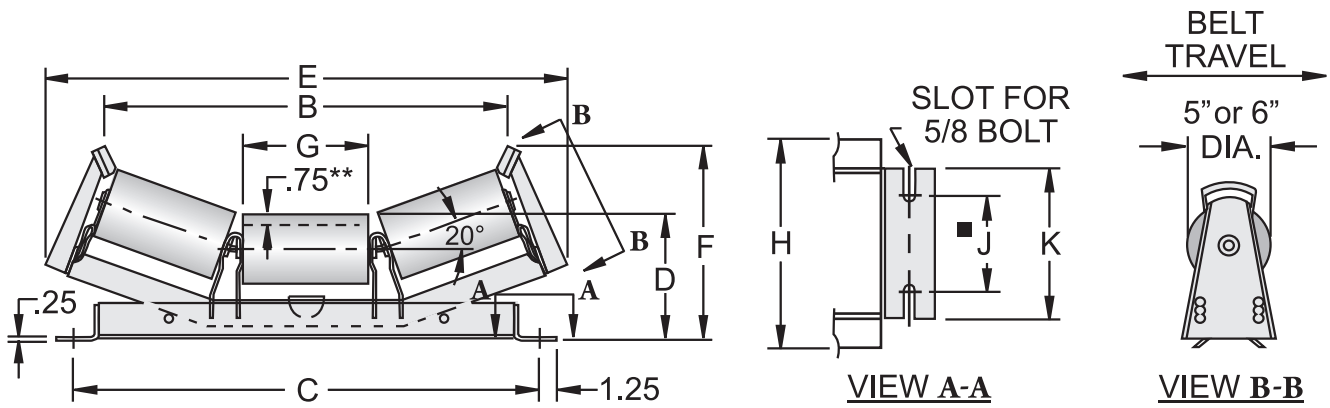
CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	E	F	G	H	J	K
			Idler weight, pounds	C	Idler weight, pounds	C	Inches							
18	5"	C3507S-18	94	27.00	96	33.00	21.44	9.00	30.38	14.25	6.69	11.50	5.75	9.00
	6"	C3607S-18	103	27.00	104	33.00	21.44	9.50	30.38	14.25	6.69	11.50	5.75	9.00
20	5"	C3507S-20	99	29.00	101	35.00	23.62	9.00	32.56	14.50	7.44	11.50	5.75	9.00
	6"	C3607S-20	111	29.00	113	35.00	23.62	9.50	32.56	14.50	7.44	11.50	5.75	9.00
24	5"	3507S-24	110	33.00	112	39.00	27.56	9.00	36.50	14.94	8.81	11.50	5.75	9.00
	6"	3607S-24	124	33.00	126	39.00	27.56	9.50	36.50	14.94	8.81	11.50	5.75	9.00
30	5"	3507S-30	125	39.00	127	45.00	33.31	9.38	42.25	16.00	10.81	12.50	5.75	9.00
	6"	3607S-30	135	39.00	137	45.00	33.31	9.88	42.25	16.00	10.81	12.50	5.75	9.00
36	5"	3507S-36	141	45.00	143	51.00	39.06	9.38	48.00	16.69	12.81	12.50	5.75	9.00
	6"	3607S-36	152	45.00	153	51.00	39.06	9.88	48.00	16.69	12.81	12.50	5.75	9.00
42	5"	3507S-42	168	51.00	170	57.00	45.69	9.75	54.69	17.88	15.12	12.50	5.75	9.00
	6"	3607S-42	178	51.00	180	57.00	45.69	10.25	54.69	17.88	15.12	12.50	5.75	9.00
48	5"	3507S-48	183	57.00	185	63.00	51.44	9.75	60.44	18.56	17.12	12.50	5.75	9.00
	6"	3607S-48	195	57.00	197	63.00	51.44	10.25	60.44	18.56	17.12	12.50	5.75	9.00
54	5"	3507S-54	198	63.00	200	69.00	57.44	9.75	66.38	19.25	19.19	12.50	5.75	9.00
	6"	3607S-54	209	63.00	211	69.00	57.44	10.25	66.38	19.25	19.19	12.50	5.75	9.00
60	5"	3507S-60	216	69.00	218	75.00	63.19	9.75	72.12	19.94	21.19	12.50	5.75	9.00
	6"	3607S-60	231	69.00	233	75.00	63.19	10.25	72.12	19.94	21.19	12.50	5.75	9.00
72	5"	D3507S-72	242	81.00	245	87.00	74.75	10.00	83.62	21.56	25.19	15.50	8.50	13.00
	6"	D3607S-72	256	81.00	260	87.00	74.75	10.50	83.62	21.56	25.19	15.50	8.50	13.00

** Elevation above adjacent idlers.
■ Bolt spacing recommended to permit adjustment is (J + 1.75"). Example: If "J" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)
● 1/4" thick rubber or urethane coated rolls, optional.
● CEMA C or D are available in belt widths of 24" - 60".

actuating shoe type reversing belts

(above deck mounting)



CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	E	F	G	H	J	K
			Idler weight, pounds	C	Idler weight, pounds	C	Inches							
18	5"	C3508S-18	84	27.00	86	33.00	22.44	9.00	30.94	13.12	6.69	11.50	5.75	9.00
	6"	C3608S-18	91	27.00	93	33.00	22.12	9.50	30.56	13.56	6.69	11.50	5.75	9.00
20	5"	C3508S-20	89	29.00	91	35.00	24.62	9.00	33.06	13.38	7.44	11.50	5.75	9.00
	6"	C3608S-20	96	29.00	98	35.00	24.25	9.50	32.75	13.88	7.44	11.50	5.75	9.00
24	5"	3508S-24	100	33.00	102	39.00	28.56	9.00	37.00	13.88	8.81	11.50	5.75	9.00
	6"	3608S-24	108	33.00	110	39.00	28.19	9.50	36.69	14.31	8.81	11.50	5.75	9.00
30	5"	3508S-30	115	39.00	117	45.00	34.31	9.38	42.75	14.94	10.81	12.50	5.75	9.00
	6"	3608S-30	124	39.00	126	45.00	33.94	9.88	42.44	15.38	10.81	12.50	5.75	9.00
36	5"	3508S-36	131	45.00	133	51.00	40.06	9.38	48.56	15.62	12.81	12.50	5.75	9.00
	6"	3608S-36	142	45.00	144	51.00	39.75	9.88	48.00	16.06	12.81	12.50	5.75	9.00
42	5"	3508S-42	158	51.00	160	57.00	46.75	9.75	55.19	16.75	15.12	12.50	5.75	9.00
	6"	3608S-42	170	51.00	172	57.00	46.38	10.25	54.81	17.25	15.12	12.50	5.75	9.00
48	5"	3508S-48	167	57.00	169	63.00	52.50	9.75	60.94	17.44	17.12	12.50	5.75	9.00
	6"	3608S-48	180	57.00	182	63.00	52.12	10.25	60.62	17.94	17.12	12.50	5.75	9.00
54	5"	3508S-54	188	63.00	190	69.00	58.44	9.75	66.88	18.12	19.19	12.50	5.75	9.00
	6"	3608S-54	202	63.00	204	69.00	58.06	10.25	66.56	18.62	19.19	12.50	5.75	9.00
60	5"	3508S-60	206	69.00	208	75.00	64.19	9.75	72.62	18.81	21.19	12.50	5.75	9.00
	6"	3608S-60	222	69.00	224	75.00	63.81	10.25	72.31	19.31	21.19	12.50	5.75	9.00
72	5"	D3508S-72	242	81.00	245	87.00	75.69	10.00	84.19	20.44	25.19	15.50	8.50	13.00
	6"	D3608S-72	246	81.00	250	87.00	75.38	10.50	83.81	20.94	25.19	15.50	8.50	13.00

** Elevation above adjacent idlers.

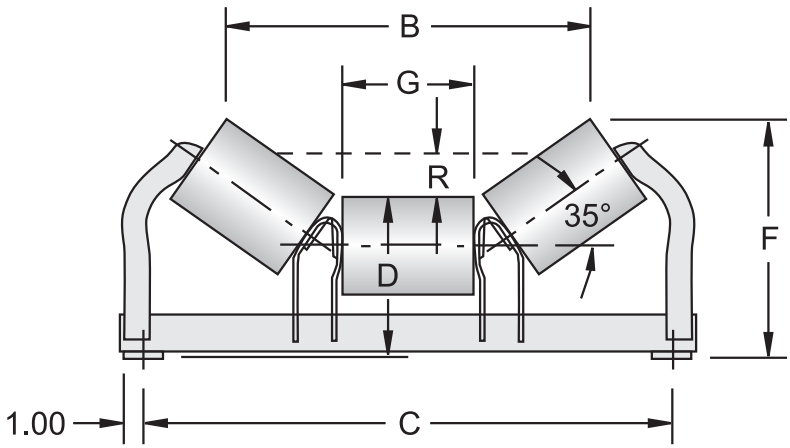
■ Bolt spacing recommended to permit adjustment is (J + 1.75"). Example: If "J" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

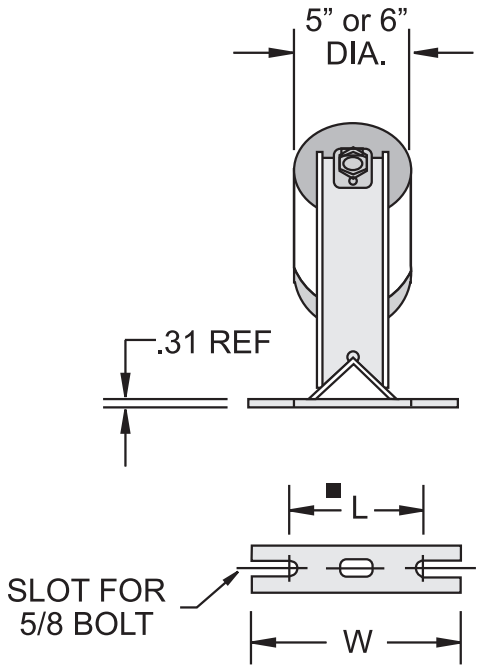
● 1/4" thick rubber or urethane coated rolls, optional.

● CEMA C or D are available in belt widths of 24" - 60".

35° troughed belt idlers equal length rolls

steel rolls





CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	F	G	L	R**	W
			Idler weight, pounds	C	Idler weight, pounds	C	Inches						
18	5"	C3528S-18	45	27.00	47	33.00	18.62	8.25	12.25	6.69	5.75	1.56	9.00
	6"	C3628S-18	54	27.00	55	33.00	18.06	8.75	12.69	6.69	5.75	1.56	9.00
20	5"	C3528S-20	47	29.00	49	35.00	20.62	8.25	12.69	7.44	5.75	1.75	9.00
	6"	C3628S-20	59	29.00	61	35.00	20.06	8.75	13.06	7.44	5.75	1.75	9.00
24	5"	3528S-24	55	33.00	57	39.00	24.25	8.25	13.44	8.81	5.75	2.12	9.00
	6"	3628S-24	69	33.00	71	39.00	23.69	8.75	13.88	8.81	5.75	2.12	9.00
30	5"	3528S-30	63	39.00	65	45.00	29.50	8.62	15.00	10.81	5.75	2.69	9.00
	6"	3628S-30	73	39.00	75	45.00	28.94	9.12	15.38	10.81	5.75	2.69	9.00
36	5"	3528S-36	73	45.00	75	51.00	34.81	8.62	16.12	12.81	5.75	3.25	9.00
	6"	3628S-36	83	45.00	84	51.00	34.19	9.12	16.50	12.81	5.75	3.25	9.00
42	5"	3528S-42	92	51.00	95	57.00	40.88	9.00	17.81	15.12	5.75	3.81	9.00
	6"	3628S-42	102	51.00	105	57.00	40.31	9.50	18.25	15.12	5.75	3.81	9.00
48	5"	3528S-48	101	57.00	104	63.00	46.19	9.00	18.94	17.12	5.75	4.38	9.00
	6"	3628S-48	113	57.00	116	63.00	45.56	9.50	19.38	17.12	5.75	4.38	9.00
54	5"	3528S-54	109	63.00	112	69.00	51.62	9.00	20.12	19.19	5.75	4.94	9.00
	6"	3628S-54	121	63.00	124	69.00	51.06	9.50	20.56	19.19	5.75	4.94	9.00
60	5"	3528S-60	122	69.00	124	75.00	56.88	9.00	21.31	21.19	5.75	5.50	9.00
	6"	3628S-60	137	69.00	139	75.00	56.31	9.50	21.69	21.19	5.75	5.50	9.00
72	5"	D3528S-72	148	81.00	152	87.00	67.44	9.38	24.00	25.19	8.25	6.69	11.50
	6"	D3628S-72	163	81.00	167	87.00	66.88	9.88	24.38	25.19	8.25	6.69	11.50

** To top of discharge or bend pulleys, except foot pulley.

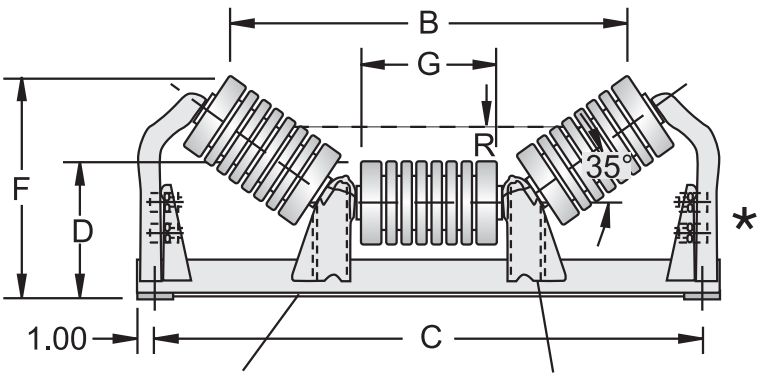
■ Bolt spacing recommended to permit adjustment is (L + 1.75"). Example: If "L" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

● 1/4" thick rubber or urethane coated rolls, optional.

● CEMA C or D are available in belt widths of 24" - 60".

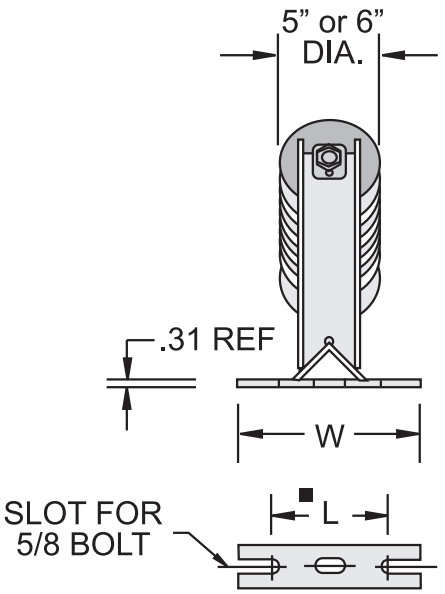
troughed belt idlers equal length rolls 35°

rubber cushion rolls (impact)



- 7 gage reinforcing plate for 36”-72” belt widths
- Heavy duty gussets for increased load capacity 36”-72” belt widths

* Demountable end bracket supplied for 18”- 72” belt widths



CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9”)		Wide Base (Belt width + 15”)		B	D	F	G	L	R**	W
			Idler weight, pounds	C	Idler weight, pounds	C	Inches						
18	5”	C3530S-18	46	27.00	48	33.00	18.62	8.25	12.06	6.06	5.75	1.56	9.00
	6”	C3630S-18	53	27.00	55	33.00	17.62	8.75	12.50	6.06	5.75	1.56	9.00
20	5”	C3530S-20	52	29.00	53	35.00	20.19	8.25	12.50	6.81	5.75	1.75	9.00
	6”	C3630S-20	61	29.00	63	35.00	19.62	8.75	12.88	6.81	5.75	1.75	9.00
24	5”	3530S-24	57	33.00	59	39.00	23.81	8.25	13.25	8.19	5.75	2.12	9.00
	6”	3630S-24	66	33.00	67	39.00	23.25	8.75	13.69	8.19	5.75	2.12	9.00
30	5”	3530S-30	67	39.00	69	45.00	29.12	8.62	14.81	10.19	5.75	2.69	9.00
	6”	3630S-30	76	39.00	78	45.00	28.50	9.12	15.19	10.19	5.75	2.69	9.00
36	5”	3530S-36	77	45.00	79	51.00	34.38	8.62	15.94	12.19	5.75	3.31	9.00
	6”	3630S-36	89	45.00	91	51.00	33.75	9.12	16.44	12.19	5.75	3.31	9.00
42	5”	3530S-42	99	51.00	102	57.00	40.50	9.00	17.62	14.50	5.75	3.75	9.00
	6”	3630S-42	111	51.00	114	57.00	39.94	9.50	18.06	14.50	5.75	3.75	9.00
48	5”	3530S-48	109	57.00	112	63.00	45.75	9.00	18.81	16.50	5.75	4.38	9.00
	6”	3630S-48	124	57.00	127	63.00	45.25	9.50	19.19	16.50	5.75	4.38	9.00
54	5”	3530S-54	123	63.00	125	69.00	51.19	9.00	19.94	18.56	5.75	4.94	9.00
	6”	3630S-54	139	63.00	142	69.00	50.62	9.50	20.38	18.56	5.75	4.94	9.00
60	5”	3530S-60	134	69.00	136	75.00	56.50	9.00	21.12	20.56	5.75	5.50	9.00
	6”	3630S-60	152	69.00	155	75.00	56.94	9.50	21.50	20.56	5.75	5.50	9.00
72	5”	D3530S-72	157	81.00	162	87.00	67.00	9.38	23.62	24.56	8.25	6.62	11.50
	6”	D3630S-72	175	81.00	180	87.00	66.50	9.88	24.19	24.56	8.25	6.62	11.50

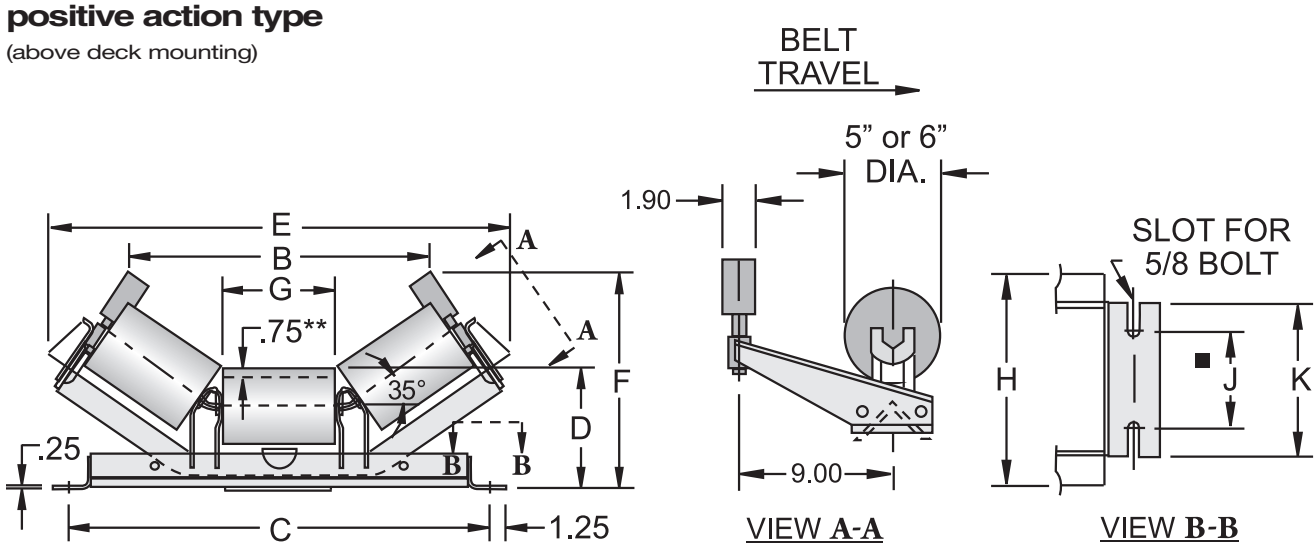
** To top of discharge or bend pulleys, except foot pulley.

■ Bolt spacing recommended to permit adjustment is (L + 1.75”). Example: If “L” = 5.75” then (5.75“ + 1.75” = 7.5” bolt spacing)

● CEMA C or D are available in belt widths of 24” - 60”.

35° troughed belt training idlers equal length rolls

positive action type
(above deck mounting)



CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	E	F	G	H	J	K
			Idler weight, pounds	C	Idler weight, pounds	C	Inches							
18	5"	C3532S-18	96	27.00	98	33.00	17.94	9.00	30.62	15.81	6.69	11.50	5.75	9.00
	6"	C3632S-18	105	27.00	106	33.00	17.94	9.50	30.62	15.81	6.69	11.50	5.75	9.00
20	5"	C3532S-20	100	29.00	102	35.00	19.94	9.00	32.62	16.25	7.44	11.50	5.75	9.00
	6"	C3632S-20	112	29.00	114	35.00	19.94	9.50	32.62	16.25	7.44	11.50	5.75	9.00
24	5"	3532S-24	111	33.00	113	39.00	23.56	9.00	36.25	17.00	8.81	11.50	5.75	9.00
	6"	3632S-24	125	33.00	127	39.00	23.56	9.50	36.25	17.00	8.81	11.50	5.75	9.00
30	5"	3532S-30	127	39.00	129	45.00	28.81	9.38	41.50	18.56	10.81	12.50	5.75	9.00
	6"	3632S-30	139	39.00	141	45.00	28.81	9.88	41.50	18.56	10.81	12.50	5.75	9.00
36	5"	3532S-36	143	45.00	145	51.00	34.06	9.38	46.81	19.69	12.81	12.50	5.75	9.00
	6"	3632S-36	153	45.00	154	51.00	34.06	9.88	46.81	19.69	12.81	12.50	5.75	9.00
42	5"	3532S-42	170	51.00	172	57.00	40.19	9.75	52.88	21.38	15.12	12.50	5.75	9.00
	6"	3632S-42	180	51.00	182	57.00	40.19	10.25	52.88	21.38	15.12	12.50	5.75	9.00
48	5"	3532S-48	185	57.00	187	63.00	45.44	9.75	58.19	22.56	17.12	12.50	5.75	9.00
	6"	3632S-48	198	57.00	200	63.00	45.44	10.25	58.19	22.56	17.12	12.50	5.75	9.00
54	5"	3532S-54	200	63.00	202	69.00	50.94	9.75	63.62	23.69	19.19	12.50	5.75	9.00
	6"	3632S-54	212	63.00	214	69.00	50.94	10.25	63.62	23.69	19.19	12.50	5.75	9.00
60	5"	3532S-60	218	69.00	220	75.00	56.19	9.75	68.88	24.88	21.19	12.50	5.75	9.00
	6"	3632S-60	233	69.00	235	75.00	56.19	10.25	68.88	24.88	21.19	12.50	5.75	9.00
72	5"	D3532S-72	244	81.00	247	87.00	66.75	10.00	79.44	27.38	25.19	15.50	8.50	13.00
	6"	D3632S-72	253	81.00	256	87.00	66.75	10.50	79.44	27.38	25.19	15.50	8.50	13.00

** Elevation above adjacent idlers.

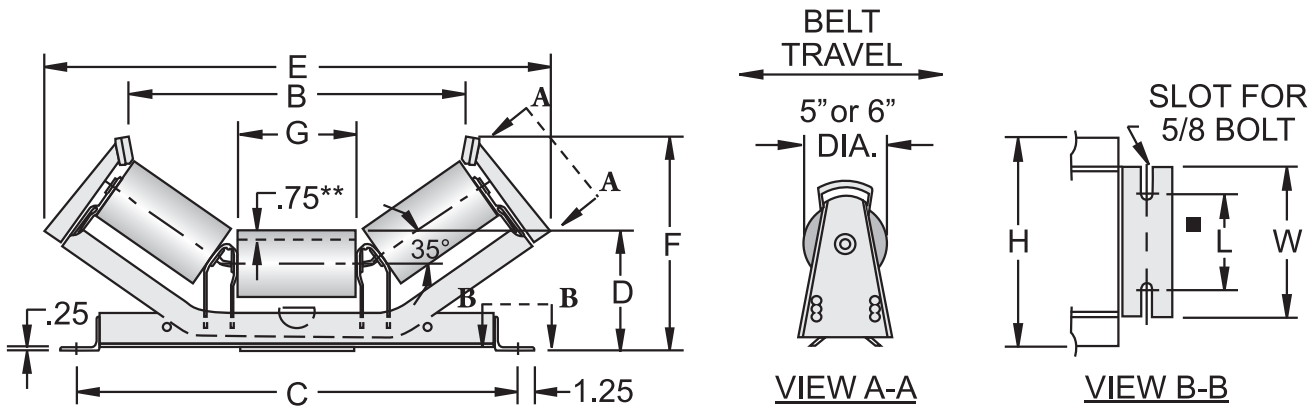
■ Bolt spacing recommended to permit adjustment is (J + 1.75"). Example: If "J" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

● 1/4" thick rubber or urethane coated rolls, optional.

● CEMA C or D are available in belt widths of 24" - 60".

actuating shoe type reversing belts

(above deck mounting)



CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	E	F	G	H	L	W
			Idler weight, pounds	C	Idler weight, pounds	C	Inches							
18	5"	C3537S-18	86	27.00	88	33.00	19.56	9.00	32.12	14.81	6.69	11.50	5.75	9.00
	6"	C3637S-18	95	27.00	96	33.00	18.94	9.50	31.56	15.25	6.69	11.50	5.75	9.00
20	5"	C3537S-20	90	29.00	92	35.00	21.50	9.00	34.12	15.25	7.44	11.50	5.75	9.00
	6"	C3637S-20	102	29.00	104	35.00	20.94	9.50	33.50	15.69	7.44	11.50	5.75	9.00
24	5"	3537S-24	101	33.00	103	39.00	25.19	9.00	37.75	16.06	8.81	11.50	5.75	9.00
	6"	3637S-24	115	33.00	117	39.00	24.56	9.50	37.19	16.44	8.81	11.50	5.75	9.00
30	5"	3537S-30	117	39.00	119	45.00	30.44	9.38	43.00	17.56	10.81	12.50	5.75	9.00
	6"	3637S-30	126	39.00	128	45.00	29.81	9.88	42.44	18.00	10.81	12.50	5.75	9.00
36	5"	3537S-36	133	45.00	135	51.00	35.69	9.38	48.25	18.69	12.81	12.50	5.75	9.00
	6"	3637S-36	143	45.00	144	51.00	35.12	9.88	47.69	19.12	12.81	12.50	5.75	9.00
42	5"	3537S-42	160	51.00	162	57.00	41.75	9.75	54.38	20.38	15.12	12.50	5.75	9.00
	6"	3637S-42	170	51.00	172	57.00	41.19	10.25	53.75	20.81	15.12	12.50	5.75	9.00
48	5"	3537S-48	175	57.00	177	63.00	47.06	9.75	59.62	21.56	17.12	12.50	5.75	9.00
	6"	3637S-48	188	57.00	190	63.00	46.50	10.25	59.06	21.94	17.12	12.50	5.75	9.00
54	5"	3537S-54	190	63.00	192	69.00	52.50	9.75	65.12	22.75	19.19	12.50	5.75	9.00
	6"	3637S-54	202	63.00	204	69.00	51.94	10.25	64.50	23.12	19.19	12.50	5.75	9.00
60	5"	3537S-60	208	69.00	210	75.00	57.81	9.75	70.38	23.88	21.19	12.50	5.75	9.00
	6"	3637S-60	223	69.00	225	75.00	57.19	10.25	69.81	24.31	21.19	12.50	5.75	9.00
72	5"	D3537S-72	234	81.00	237	87.00	68.38	10.00	80.94	26.44	25.19	15.50	8.50	13.00
	6"	D3637S-72	248	81.00	252	87.00	67.75	10.50	80.38	26.81	25.19	15.50	8.50	13.00

** Elevation above adjacent idlers.

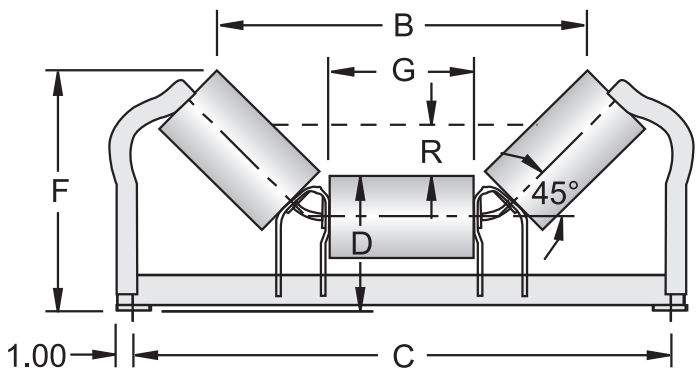
■ Bolt spacing recommended to permit adjustment is (L + 1.75"). Example: If "L" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

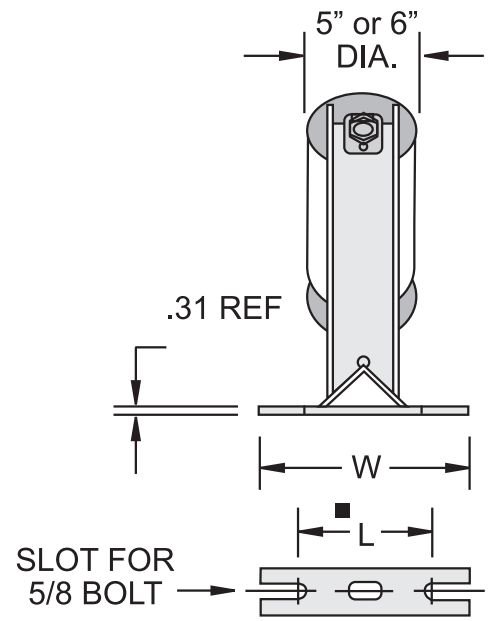
● 1/4" thick rubber or urethane coated rolls, optional.

● CEMA C or D are available in belt widths of 24" - 60".

45° troughed belt idlers equal length rolls

steel rolls





CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	F	G	L	R**	W
			Idler weight, pounds	C	Idler weight, pounds	C	Inches						
20	5"	C3502S-20	49	29.00	51	35.00	19.31	8.25	13.81	7.44	5.75	2.12	9.00
	6"	C3602S-20	61	29.00	63	35.00	18.62	8.75	14.19	7.44	5.75	2.12	9.00
24	5"	3502S-24	56	33.00	58	39.00	22.69	8.25	14.75	8.81	5.75	2.56	9.00
	6"	3602S-24	70	33.00	72	39.00	21.94	8.75	15.12	8.81	5.75	2.56	9.00
30	5"	3502S-30	65	39.00	67	45.00	27.50	8.62	16.56	10.81	5.75	3.31	9.00
	6"	3602S-30	75	39.00	77	45.00	26.75	9.12	16.88	10.81	5.75	3.31	9.00
36	5"	3502S-36	75	45.00	77	51.00	32.31	8.62	18.00	12.81	5.75	4.00	9.00
	6"	3602S-36	85	45.00	87	51.00	31.62	9.12	18.31	12.81	5.75	4.00	9.00
42	5"	3502S-42	95	51.00	98	57.00	37.88	9.00	20.00	15.12	5.75	4.62	9.00
	6"	3602S-42	104	51.00	107	57.00	37.19	9.50	20.31	15.12	5.75	4.62	9.00
48	5"	3502S-48	103	57.00	106	63.00	42.75	9.00	21.38	17.12	5.75	5.38	9.00
	6"	3602S-48	116	57.00	119	63.00	42.00	9.50	21.75	17.12	5.75	5.38	9.00
54	5"	3502S-54	112	63.00	115	69.00	47.69	9.00	22.88	19.19	5.75	6.06	9.00
	6"	3602S-54	123	63.00	126	69.00	47.00	9.50	23.19	19.19	5.75	6.06	9.00
60	5"	3502S-60	125	69.00	128	75.00	52.56	9.00	24.25	21.19	5.75	6.75	9.00
	6"	3602S-60	140	69.00	143	75.00	51.81	9.50	24.62	21.19	5.75	6.75	9.00
72	5"	D3502S-72	150	81.00	154	87.00	62.19	9.38	27.50	25.19	8.25	8.19	11.50
	6"	D3602S-72	166	81.00	170	87.00	61.50	9.88	27.88	25.19	8.25	8.19	11.50

** To top of discharge or bend pulleys, except foot pulley.

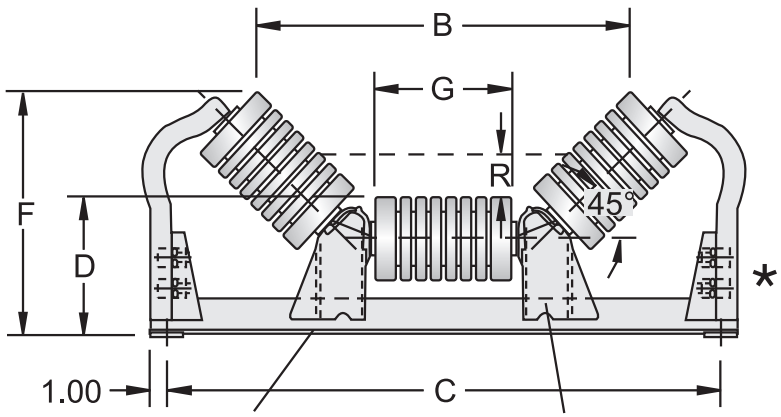
■ Bolt spacing recommended to permit adjustment is (L + 1.75"). Example: If "L" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

● 1/4" thick rubber or urethane coated rolls, optional.

● CEMA C or D are available in belt widths of 24" - 60".

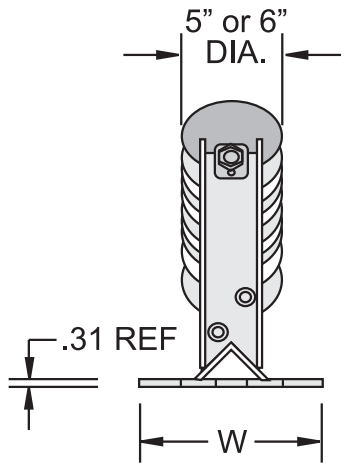
troughed belt idlers equal length rolls 45°

rubber cushion rolls (impact)



- 7 gage reinforcing plate for 36”-72” belt widths
- Heavy duty gussets for increased load capacity 36”-72” belt widths

* Demountable end bracket supplied for 20”- 72” belt widths



CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9”)		Wide Base (Belt width + 15”)		B	D	F	G	L	R**	W
			Idler weight, pounds	C	Idler weight, pounds	C	Inches						
20	5”	C3523S-20	53	29.00	54	35.00	18.88	8.25	13.62	6.81	5.75	2.12	9.00
	6”	C3623S-20	62	29.00	64	35.00	18.19	8.75	13.94	6.81	5.75	2.12	9.00
24	5”	3523S-24	59	33.00	61	39.00	22.19	8.25	14.56	8.19	5.75	2.62	9.00
	6”	3623S-24	67	33.00	68	39.00	21.50	8.75	14.94	8.19	5.75	2.62	9.00
30	5”	3523S-30	69	39.00	71	45.00	27.06	8.62	16.31	10.19	5.75	3.31	9.00
	6”	3623S-30	74	39.00	76	45.00	26.31	9.12	16.69	10.19	5.75	3.31	9.00
36	5”	3523S-36	80	45.00	82	51.00	31.88	8.62	17.75	12.19	5.75	4.00	9.00
	6”	3623S-36	80	45.00	82	51.00	31.19	9.12	18.12	12.19	5.75	4.00	9.00
42	5”	3523S-42	101	51.00	104	57.00	37.44	9.00	19.75	14.50	5.75	4.62	9.00
	6”	3623S-42	113	51.00	116	57.00	36.75	9.50	20.12	14.50	5.75	4.62	9.00
48	5”	3523S-48	112	57.00	115	63.00	42.25	9.00	21.19	16.50	5.75	5.38	9.00
	6”	3623S-48	127	57.00	130	63.00	41.56	9.50	21.56	16.50	5.75	5.38	9.00
54	5”	3523S-54	125	63.00	127	69.00	47.25	9.00	22.62	18.56	5.75	6.06	9.00
	6”	3623S-54	141	63.00	144	69.00	46.56	9.50	23.00	18.56	5.75	6.06	9.00
60	5”	3523S-60	136	69.00	138	75.00	52.06	9.00	24.06	20.56	5.75	6.75	9.00
	6”	3623S-60	155	69.00	158	75.00	51.38	9.50	24.38	20.56	5.75	6.75	9.00
72	5”	D3523S-72	159	81.00	164	87.00	61.75	9.38	27.25	24.56	8.25	8.19	11.50
	6”	D3623S-72	178	81.00	183	87.00	61.06	9.88	27.62	24.56	8.25	8.19	11.50

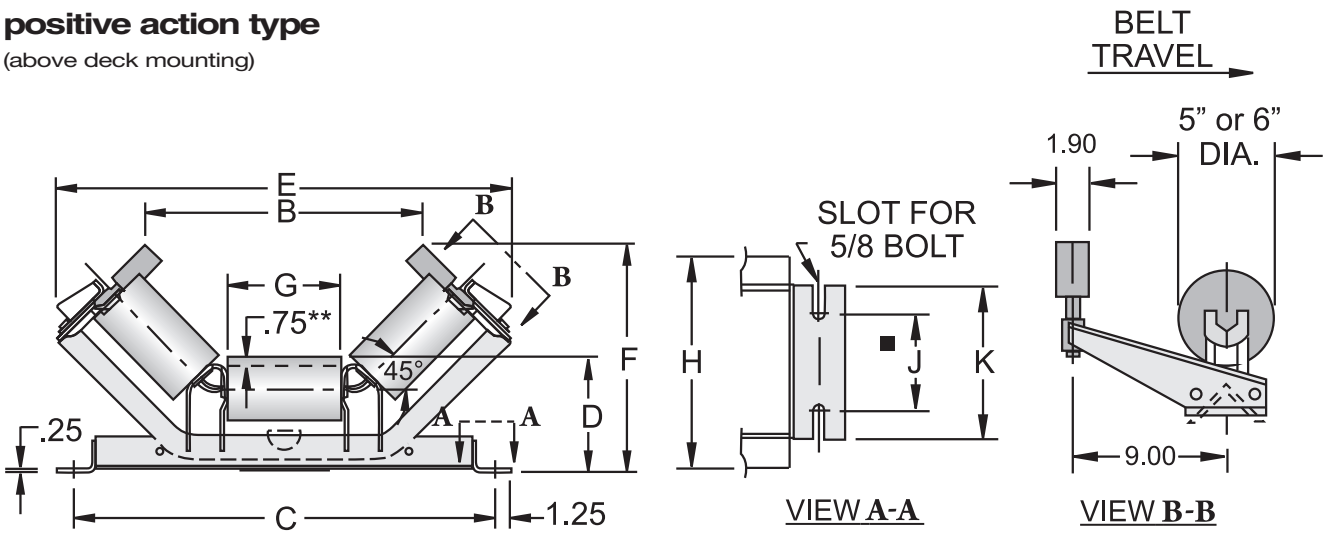
** To top of discharge or bend pulleys, except foot pulley.

■ Bolt spacing recommended to permit adjustment is (L + 1.75”). Example: If “L” = 5.75” then (5.75“ + 1.75” = 7.5” bolt spacing)

● CEMA C or D are available in belt widths of 24” - 60”.

45° troughed belt training idlers equal length rolls

positive action type
(above deck mounting)



CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	E	F	G	H	J	K
			Idler weight, pounds	C	Idler weight, pounds	C	Inches							
18	5"	C3509S-18	96	27.00	98	33.00	16.19	9.00	30.56	16.69	6.69	11.50	5.75	9.00
	6"	C3609S-18	105	27.00	107	33.00	16.19	9.50	30.56	16.69	6.69	11.50	5.75	9.00
20	5"	C3509S-20	101	29.00	103	35.00	17.62	9.00	32.38	17.25	7.44	11.50	5.75	9.00
	6"	C3609S-20	113	29.00	115	35.00	17.62	9.50	32.38	17.25	7.44	11.50	5.75	9.00
24	5"	3509S-24	112	33.00	114	39.00	20.94	9.00	35.69	18.19	8.81	11.50	5.75	9.00
	6"	3609S-24	126	33.00	128	39.00	20.94	9.50	35.69	18.19	8.81	11.50	5.75	9.00
30	5"	3509S-30	128	39.00	130	45.00	25.75	9.38	40.50	20.00	10.81	12.50	5.75	9.00
	6"	3609S-30	139	39.00	141	45.00	25.75	9.88	40.50	20.00	10.81	12.50	5.75	9.00
36	5"	3509S-36	145	45.00	147	51.00	30.62	9.38	45.31	21.44	12.81	12.50	5.75	9.00
	6"	3609S-36	155	45.00	157	51.00	30.62	9.88	45.31	21.44	12.81	12.50	5.75	9.00
42	5"	3509S-42	173	51.00	175	57.00	36.19	9.75	50.94	23.44	15.12	12.50	5.75	9.00
	6"	3609S-42	183	51.00	185	57.00	36.19	10.25	50.94	23.44	15.12	12.50	5.75	9.00
48	5"	3509S-48	188	57.00	190	63.00	41.00	9.75	55.75	24.81	17.12	12.50	5.75	9.00
	6"	3609S-48	200	57.00	202	63.00	41.00	10.25	55.75	24.81	17.12	12.50	5.75	9.00
54	5"	3509S-54	203	63.00	205	69.00	46.00	9.75	60.75	26.31	19.19	12.50	5.75	9.00
	6"	3609S-54	209	63.00	211	69.00	46.00	10.25	60.75	26.31	19.19	12.50	5.75	9.00
60	5"	3509S-60	219	69.00	221	75.00	50.81	9.75	65.56	27.69	21.19	12.50	5.75	9.00
	6"	3609S-60	234	69.00	236	75.00	50.81	10.25	65.56	27.69	21.19	12.50	5.75	9.00
72	5"	D3509S-72	244	81.00	247	87.00	60.50	10.00	75.19	30.81	25.19	15.50	8.50	13.00
	6"	D3609S-72	259	81.00	263	87.00	60.50	10.50	75.19	30.81	25.19	15.50	8.50	13.00

** Elevation above adjacent idlers.

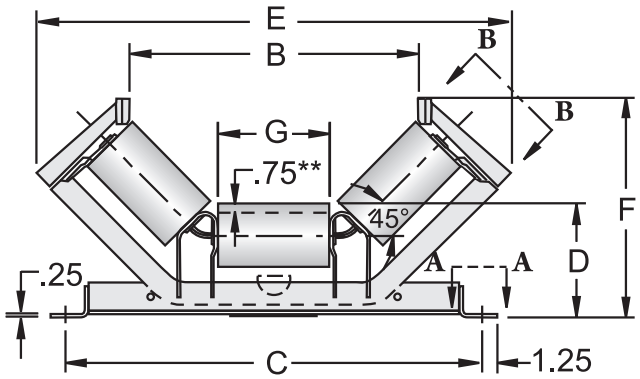
■ Bolt spacing recommended to permit adjustment is (J + 1.75"). Example: If "J" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

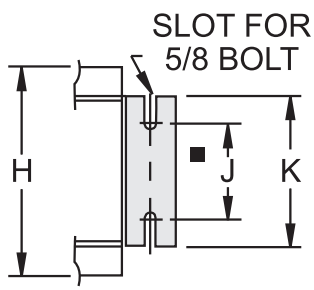
● 1/4" thick rubber or urethane coated rolls, optional.

● CEMA C or D are available in belt widths of 24" - 60".

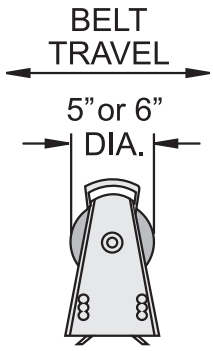
actuating shoe type reversing belts

(above deck mounting)





VIEW **A-A**



VIEW **B-B**

CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	E	F	G	H	J	K
			Idler weight, pounds	C	Idler weight, pounds	C	Inches							
18	5"	C3511S-18	83	27.00	85	33.00	17.75	9.00	32.62	15.88	6.69	11.50	5.75	9.00
	6"	C3611S-18	95	27.00	97	33.00	17.06	9.50	31.88	16.25	6.69	11.50	5.75	9.00
20	5"	C3511S-20	88	29.00	90	35.00	19.56	9.00	34.44	16.44	7.44	11.50	5.75	9.00
	6"	C3611S-20	103	29.00	105	35.00	18.88	9.50	33.69	16.75	7.44	11.50	5.75	9.00
24	5"	3511S-24	99	33.00	101	39.00	22.88	9.00	37.75	17.38	8.81	11.50	5.75	9.00
	6"	3611S-24	116	33.00	118	39.00	22.19	9.50	37.00	17.75	8.81	11.50	5.75	9.00
30	5"	3511S-30	109	39.00	111	45.00	27.81	9.38	42.56	19.19	10.81	12.50	5.75	9.00
	6"	3611S-30	129	39.00	131	45.00	27.00	9.88	41.88	19.50	10.81	12.50	5.75	9.00
36	5"	3511S-36	123	45.00	125	51.00	32.50	9.38	47.38	20.56	12.81	12.50	5.75	9.00
	6"	3611S-36	145	45.00	147	51.00	31.81	9.88	46.69	20.94	12.81	12.50	5.75	9.00
42	5"	3511S-42	148	51.00	150	57.00	38.12	9.75	52.94	22.56	15.12	12.50	5.75	9.00
	6"	3611S-42	173	51.00	175	57.00	37.38	10.25	52.25	22.94	15.12	12.50	5.75	9.00
48	5"	3511S-48	163	57.00	165	63.00	42.94	9.75	57.94	24.00	17.12	12.50	5.75	9.00
	6"	3611S-48	190	57.00	192	63.00	42.25	10.25	57.06	24.38	17.12	12.50	5.75	9.00
54	5"	3511S-54	175	63.00	178	69.00	47.94	9.75	62.75	25.44	19.19	12.50	5.75	9.00
	6"	3611S-54	204	63.00	206	69.00	47.19	10.25	62.06	25.81	19.19	12.50	5.75	9.00
60	5"	3511S-60	191	69.00	193	75.00	52.75	9.75	67.62	26.88	21.19	12.50	5.75	9.00
	6"	3611S-60	224	69.00	226	75.00	52.00	10.25	66.88	27.25	21.19	12.50	5.75	9.00
72	5"	D3511S-72	235	81.00	238	87.00	62.38	10.00	77.25	29.94	25.19	15.50	8.50	13.00
	6"	D3611S-72	249	81.00	253	87.00	61.69	10.50	76.56	30.31	25.19	15.50	8.50	13.00

** Elevation above adjacent idlers.

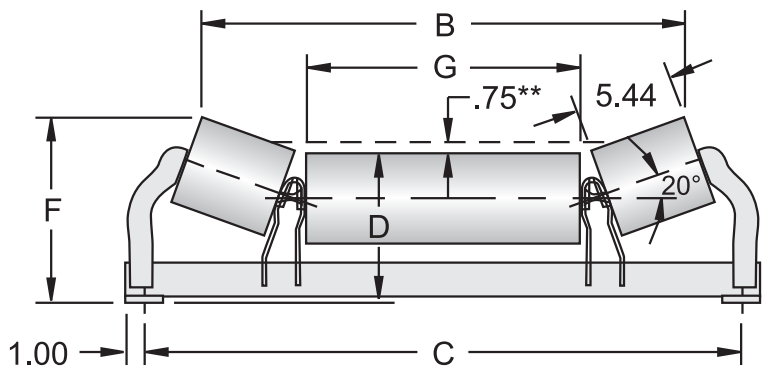
■ Bolt spacing recommended to permit adjustment is (J + 1.75"). Example: If "J" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

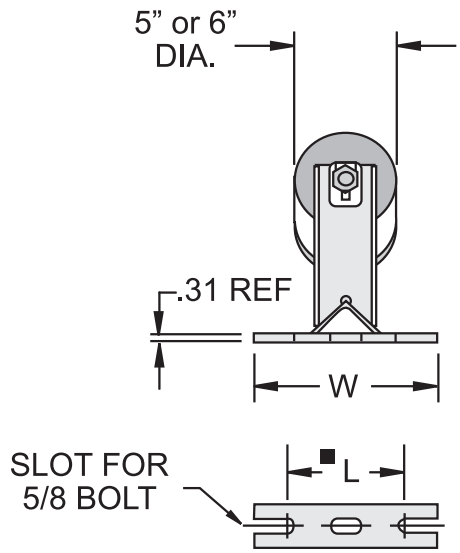
● 1/4" thick rubber or urethane coated rolls, optional.

● CEMA C or D are available in belt widths of 24" - 60".

20° troughed belt picking & feeding conveyor idlers

steel rolls





CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	F	G	L	W
			Idler weight, pounds	C	Idler weight, pounds	C	Inches					
24	5"	C3505S-24	54	33.00	58	39.00	26.69	8.25	10.25	15.12	5.75	9.00
	6"	C3605S-24	64	33.00	67	39.00	26.31	8.75	10.75	15.12	5.75	9.00
30	5"	3505S-30	59	39.00	61	45.00	32.19	8.62	10.62	20.62	5.75	9.00
	6"	3605S-30	74	39.00	76	45.00	31.81	9.12	11.12	20.62	5.75	9.00
36	5"	3505S-36	69	45.00	71	51.00	38.19	8.62	10.62	26.62	5.75	9.00
	6"	3605S-36	79	45.00	81	51.00	37.81	9.12	11.12	26.62	5.75	9.00
42	5"	3505S-42	84	51.00	87	57.00	44.19	9.00	11.00	32.62	5.75	9.00
	6"	3605S-42	98	51.00	101	57.00	43.81	9.50	11.44	32.62	5.75	9.00
48	5"	3505S-48	93	57.00	96	63.00	50.19	9.00	11.00	38.62	5.75	9.00
	6"	3605S-48	106	57.00	109	63.00	49.81	9.50	11.44	38.62	5.75	9.00
54	5"	3505S-54	100	63.00	103	69.00	56.19	9.00	11.00	44.62	5.75	9.00
	6"	3605S-54	114	63.00	117	69.00	55.81	9.50	11.44	44.62	5.75	9.00
60	5"	3505S-60	110	69.00	112	75.00	62.19	9.00	11.00	50.62	5.75	9.00
	6"	3605S-60	128	69.00	131	75.00	61.81	9.50	11.44	50.62	5.75	9.00
72	5"	D3505S-72	164	81.00	180	87.00	74.19	9.38	11.38	62.62	8.25	11.50
	6"	D3605S-72	184	81.00	200	87.00	73.81	9.88	11.81	62.62	8.25	11.50

** To top of discharge or bend pulleys, except foot pulley.

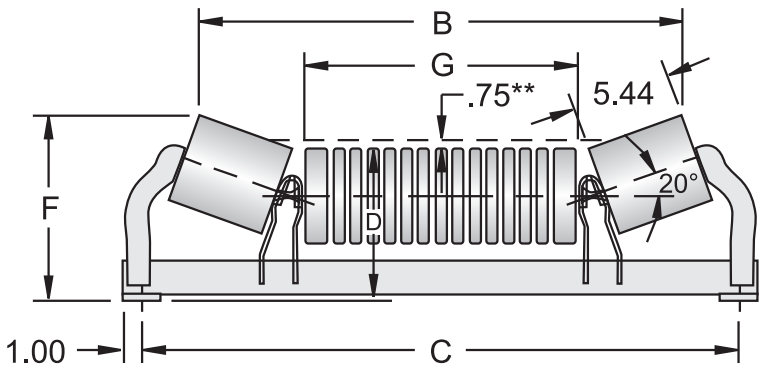
■ Bolt spacing recommended to permit adjustment is (L + 1.75"). Example: If "L" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

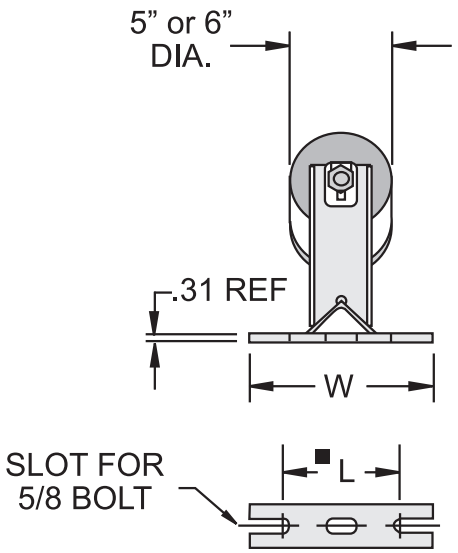
● 1/4" thick rubber or urethane coated rolls, optional.

● CEMA C or D are available in belt widths of 24" - 60".

steel end rolls with rubber cushion center roll

(impact type)





CEMA C / D

Belt width, inches	Dia.	○● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	F	G	L	W
			Idler weight, pounds	C	Idler weight, pounds	C	Inches					
24	5"	C3505RCS-24	57	33.00	61	39.00	26.69	8.25	10.25	14.50	5.75	9.00
	6"	C3605RCS-24	63	33.00	66	39.00	26.31	8.75	10.75	14.50	5.75	9.00
30	5"	3505RCS-30	70	39.00	72	45.00	32.19	8.62	10.62	20.25	5.75	9.00
	6"	3605RCS-30	77	39.00	78	45.00	31.81	9.12	11.12	20.25	5.75	9.00
36	5"	3505RCS-36	74	45.00	76	51.00	38.19	8.62	10.62	26.25	5.75	9.00
	6"	3605RCS-36	86	45.00	88	51.00	37.81	9.12	11.12	26.25	5.75	9.00
42	5"	3505RCS-42	92	51.00	95	57.00	44.19	9.00	11.00	32.25	5.75	9.00
	6"	3605RCS-42	105	51.00	108	57.00	43.81	9.50	11.44	32.25	5.75	9.00
48	5"	3505RCS-48	101	57.00	104	63.00	50.19	9.00	11.00	38.25	5.75	9.00
	6"	3605RCS-48	116	57.00	119	63.00	49.81	9.50	11.44	38.25	5.75	9.00
54	5"	3505RCS-54	111	63.00	114	69.00	56.19	9.00	11.00	44.25	5.75	9.00
	6"	3605RCS-54	130	63.00	133	69.00	55.81	9.50	11.44	44.25	5.75	9.00
60	5"	3505RCS-60	122	69.00	125	75.00	62.19	9.00	11.00	50.25	5.75	9.00
	6"	3605RCS-60	137	69.00	140	75.00	61.81	9.50	11.44	50.25	5.75	9.00
72	5"	D3505RCS-72	164	81.00	180	87.00	74.19	9.38	11.38	62.25	8.25	11.50
	6"	D3605RCS-72	183	81.00	199	87.00	73.81	9.88	11.81	62.25	8.25	11.50

** To top of discharge or bend pulleys, except foot pulley.

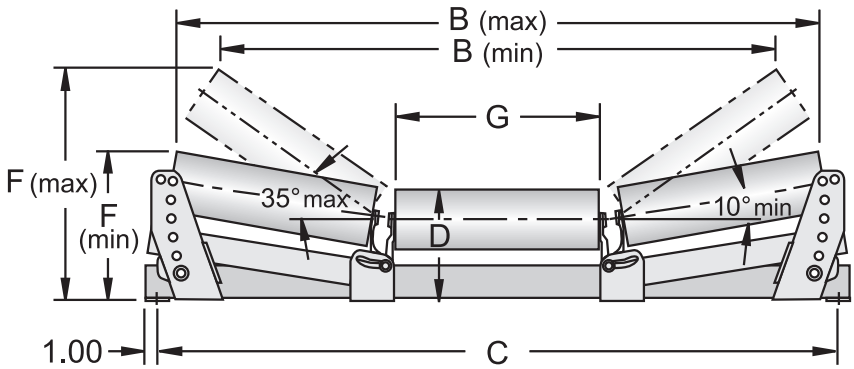
■ Bolt spacing recommended to permit adjustment is (L + 1.75"). Example: If "L" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

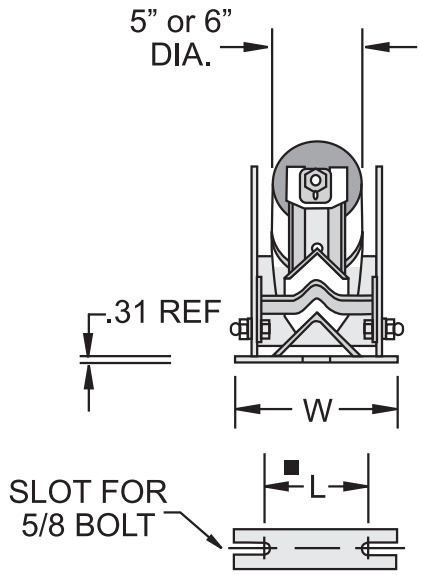
○ Available with rubber cushion end rolls; specify suffix RS. Example 3505RS-24.

● CEMA C or D are available in belt widths of 30" - 60".

variable troughed belt idlers
10° - 35° adjustment

positive action type
(above deck mounting)



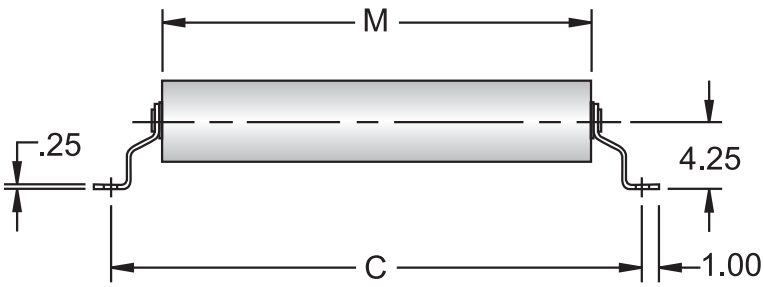


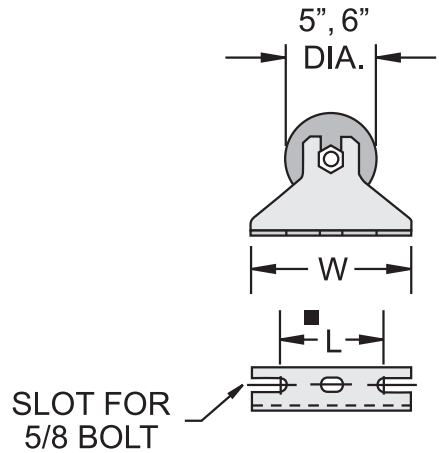
CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B		□	F		G	L	W
			Idler weight, pounds	C	Idler weight, pounds	C	MIN.	MAX.	D	MIN.	MAX.			
							Inches							
24	5"	3506S-24	97	33.00	100	39.00	24.62	29.12	9.31	11.12	14.75	8.81	5.75	9.00
	6"	3606S-24	110	33.00	113	39.00	24.00	28.94	9.81	11.62	15.12	8.81	5.75	9.00
30	5"	3506S-30	107	39.00	110	45.00	29.88	35.06	9.31	11.44	15.88	10.81	5.75	9.00
	6"	3606S-30	117	39.00	120	45.00	29.31	34.88	9.81	11.94	16.31	10.81	5.75	9.00
36	5"	3506S-36	122	45.00	125	51.00	35.12	41.00	9.31	11.81	17.00	12.81	5.75	9.00
	6"	3606S-36	132	45.00	134	51.00	34.56	40.81	9.81	12.31	17.44	12.81	5.75	9.00
42	5"	3506S-42	134	51.00	137	57.00	41.25	47.88	9.31	12.19	18.38	15.12	5.75	9.00
	6"	3606S-42	143	51.00	146	57.00	40.69	47.69	9.81	12.69	18.75	15.12	5.75	9.00
48	5"	3506S-48	149	57.00	152	63.00	46.56	53.81	9.31	12.50	19.50	17.12	5.75	9.00
	6"	3606S-48	161	57.00	164	63.00	46.00	53.62	9.81	13.00	19.88	17.12	5.75	9.00
54	5"	3506S-54	159	63.00	162	69.00	52.00	59.94	9.31	12.88	20.69	19.19	5.75	9.00
	6"	3606S-54	171	63.00	174	69.00	51.44	59.81	9.81	13.38	21.06	19.19	5.75	9.00
60	5"	3506S-60	171	69.00	173	75.00	57.31	65.88	9.31	13.25	21.81	21.19	5.75	9.00
	6"	3606S-60	186	69.00	188	75.00	56.75	65.75	9.81	13.69	22.25	21.19	5.75	9.00
72	5"	D3506S-72	197	81.00	201	87.00	68.19	77.75	9.69	13.88	24.12	25.19	8.25	11.50
	6"	D3606S-72	211	81.00	215	87.00	67.62	77.62	10.19	14.38	24.56	25.19	8.25	11.50

■ Bolt spacing recommended to permit adjustment is (L + 1.75"). Example: If "L" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)
□ Shim as required to contact belt and support load.
● 1/4" thick rubber or urethane coated rolls, optional.
● CEMA C or D are available in belt widths of 24" - 60".

steel rolls





CEMA C / D

Belt width, inches	Dia.	● * Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")			L	W
			Idler weight, pounds	C	M	Idler weight, pounds	C	M		
				Inches			Inches		Inches	
18	5"	C3513S-18	30	27.00	20.62	38	33.00	26.62	5.75	8.88
	6"	C3613S-18	35	27.00	20.62	46	33.00	26.62	5.75	8.88
20	5"	C3513S-20	32	29.00	22.62	40	35.00	28.62	5.75	8.88
	6"	C3613S-20	38	29.00	22.62	49	35.00	28.62	5.75	8.88
24	5"	3513S-24	36	33.00	26.62	44	39.00	32.62	5.75	8.88
	6"	3613S-24	42	33.00	26.62	53	39.00	32.62	5.75	8.88
30	5"	3513S-30	42	39.00	32.62	50	45.00	38.62	5.75	8.88
	6"	3613S-30	50	39.00	32.62	61	45.00	38.62	5.75	8.88
36	5"	3513S-36	48	45.00	38.62	56	51.00	44.62	5.75	8.88
	6"	3613S-36	58	45.00	38.62	69	51.00	44.62	5.75	8.88
42	5"	3513S-42	53	51.00	44.62	61	57.00	50.62	5.75	8.88
	6"	3613S-42	63	51.00	44.62	74	57.00	50.62	5.75	8.88
48	5"	3513S-48	60	57.00	50.62	*Reference D3513S-48*			5.75	8.88
	6"	3613S-48	72	57.00	50.62				5.75	8.88
48	5"	D3513S-48	62	57.00	50.62	88	63.00	56.62	5.75	8.88
	6"	D3613S-48	74	57.00	50.62	102	63.00	56.62	5.75	8.88
54	5"	D3513S-54	88	63.00	56.62	98	69.00	62.62	5.75	8.88
	6"	D3613S-54	102	63.00	56.62	113	69.00	62.62	5.75	8.88
60	5"	D3513S-60	98	69.00	62.62	108	75.00	68.62	5.75	8.88
	6"	D3613S-60	113	69.00	62.62	123	75.00	68.62	5.75	8.88
66	5"	D3513S-66	110	75.00	68.62	122	81.00	74.62	5.75	8.88
	6"	D3613S-66	125	75.00	68.62	135	81.00	74.62	5.75	8.88
72	5"	D3513S-72	122	81.00	74.62	133	87.00	80.62	5.75	8.88
	6"	D3613S-72	135	81.00	74.62	147	87.00	80.62	5.75	8.88
78	5"	D3513S-78	135	87.00	80.62	N/A	N/A	N/A	5.75	8.88
	6"	D3613S-78	148	87.00	80.62	N/A	N/A	N/A	5.75	8.88

■ Bolt spacing recommended to permit adjustment is (L + 1.75"). Example: If "L" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

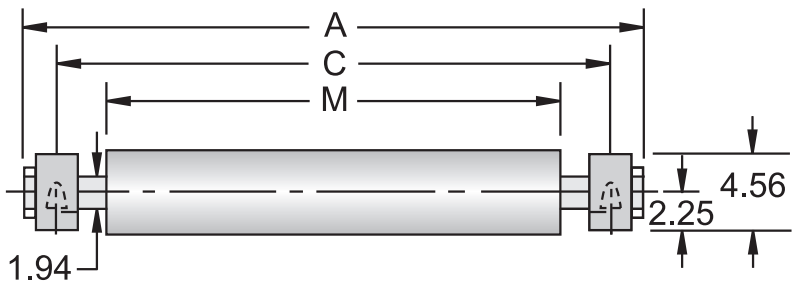
* For belt widths + 15" mounting above 42" use CEMA D and next higher belt width.

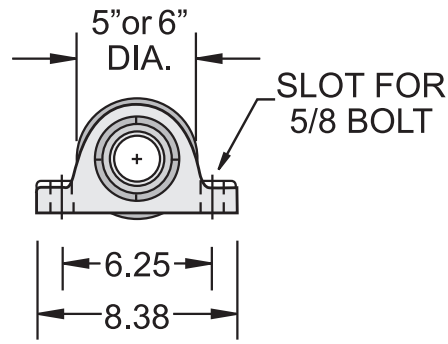
● 1/4" thick rubber or urethane coated rolls, optional.

● CEMA C or D are available in belt widths of 24" - 48".

flat belt idlers

steel rolls, live shaft



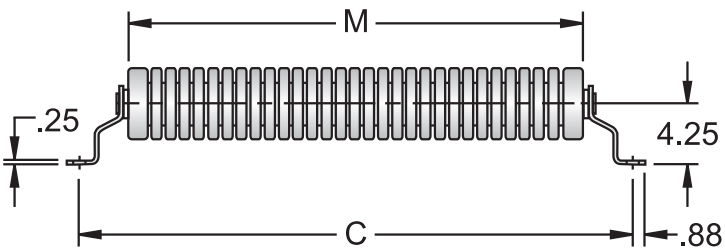


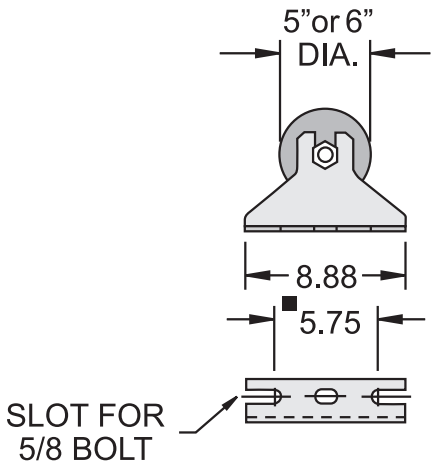
CEMA C

Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9”)				Wide Base (Belt width + 15”)			
			Idler weight, pounds *	A	C	M	Idler weight, pounds *	A	C	M
				Inches				Inches		
18	5”	C3513L-18	80	31.00	27.00	21.00	91	37.00	33.00	27.00
	6”	C3613L-18	89	31.00	27.00	21.00	102	37.00	33.00	27.00
20	5”	C3513L-20	84	33.00	29.00	23.00	95	39.00	35.00	29.00
	6”	C3613L-20	93	33.00	29.00	23.00	106	39.00	35.00	29.00
24	5”	C3513L-24	91	37.00	33.00	27.00	102	43.00	39.00	33.00
	6”	C3613L-24	102	37.00	33.00	27.00	114	43.00	39.00	33.00
30	5”	C3513L-30	102	43.00	39.00	33.00	114	49.00	45.00	39.00
	6”	C3613L-30	114	43.00	39.00	33.00	127	49.00	45.00	39.00
36	5”	C3513L-36	114	49.00	45.00	39.00	125	55.00	51.00	45.00
	6”	C3613L-36	127	49.00	45.00	39.00	140	55.00	51.00	45.00
42	5”	C3513L-42	125	55.00	51.00	45.00	137	61.00	57.00	51.00
	6”	C3613L-42	140	55.00	51.00	45.00	152	61.00	57.00	51.00
48	5”	C3513L-48	137	61.00	57.00	51.00	148	67.00	63.00	57.00
	6”	C3613L-48	152	61.00	57.00	51.00	165	67.00	63.00	57.00
54	5”	C3513L-54	148	67.00	63.00	57.00	159	73.00	69.00	63.00
	6”	C3613L-54	165	67.00	63.00	57.00	178	73.00	69.00	63.00
60	5”	C3513L-60	159	73.00	69.00	63.00	171	79.00	75.00	69.00
	6”	C3613L-60	178	73.00	69.00	63.00	191	79.00	75.00	69.00

* Weight includes pillow blocks (P-B22431H).

rubber cushion rolls





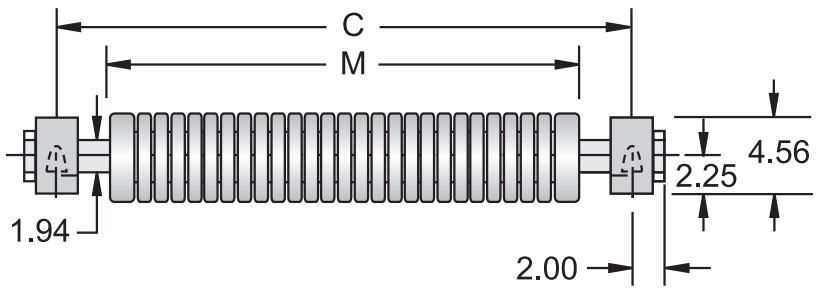
CEMA C / D

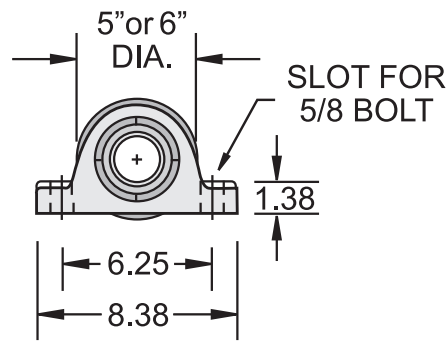
Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")			Wide Base * (Belt width + 15")		
			Idler weight, pounds	C	M	Idler weight, pounds	C	M
				Inches			Inches	
18	5"	C3515S-18	28	27.00	20.25	34	33.00	26.25
	6"	C3615S-18	32	27.00	20.25	39	33.00	26.25
20	5"	C3515S-20	30	29.00	22.25	36	35.00	28.25
	6"	C3615S-20	35	29.00	22.25	42	35.00	28.25
24	5"	3515S-24	33	33.00	26.25	39	39.00	32.25
	6"	3615S-24	39	33.00	26.25	46	39.00	32.25
30	5"	3515S-30	39	39.00	32.25	45	45.00	38.25
	6"	3615S-30	46	39.00	32.25	53	45.00	38.25
36	5"	3515S-36	44	45.00	38.25	50	51.00	44.25
	6"	3615S-36	52	45.00	38.25	59	51.00	44.25
42	5"	3515S-42	50	51.00	44.25	56	57.00	50.25
	6"	3615S-42	62	51.00	44.25	69	57.00	50.25
48	5"	3515S-48	56	57.00	50.25	N/A	N/A	N/A
	6"	3615S-48	66	57.00	50.25	*Reference D3615S-48*		
48	6"	D3615S-48	67	57.00	50.25	75	63.00	56.25
54	6"	D3615S-54	75	63.00	56.25	85	69.00	62.25
60	6"	D3615S-60	82	69.00	62.25	100	75.00	68.25
72	6"	D3615S-72	97	81.00	74.25	N/A	N/A	N/A

■ 7.50" bolt spacing recommended.
* For belt widths + 15" mounting above 42" use CEMA D.
● CEMA C or D are available in belt widths of 24" - 48".

flat belt idlers

rubber cushion rolls, live shaft type



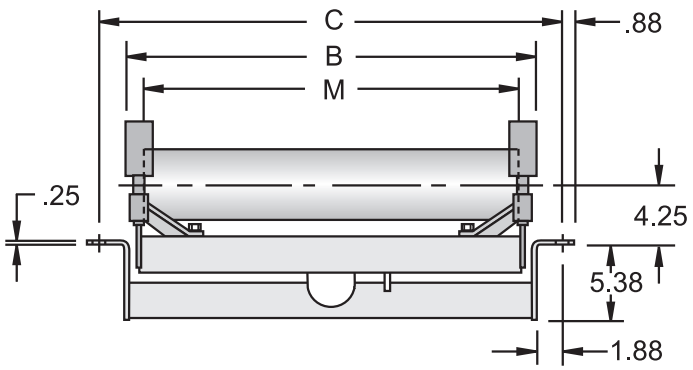


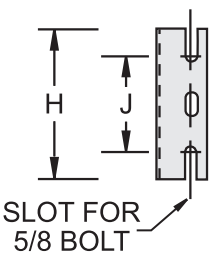
CEMA C

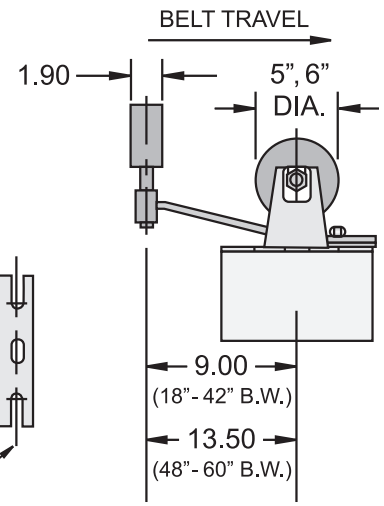
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")		
			Idler weight, pounds *	C	M	Idler weight, pounds *	C	M
				Inches			Inches	
18	5"	C3516-18	64	27.00	20.88	69	33.00	26.88
	6"	C3616-18	70	27.00	20.88	75	33.00	26.88
20	5"	C3516-20	67	29.00	22.88	72	35.00	28.88
	6"	C3616-20	74	29.00	22.88	79	35.00	28.88
24	5"	C3516-24	73	33.00	26.88	78	39.00	32.88
	6"	C3616-24	81	33.00	26.88	86	39.00	32.88
30	5"	C3516-30	81	39.00	32.88	87	45.00	38.88
	6"	C3616-30	91	39.00	32.88	97	45.00	38.88
36	5"	C3516-36	90	45.00	38.88	96	51.00	44.88
	6"	C3616-36	102	45.00	38.88	108	51.00	44.88
42	5"	C3516-42	99	51.00	44.88	105	57.00	50.88
	6"	C3616-42	112	51.00	44.88	118	57.00	50.88
48	5"	C3516-48	107	57.00	50.88	113	63.00	56.88
	6"	C3616-48	123	57.00	50.88	129	63.00	56.88
54	5"	C3516-54	116	63.00	56.88	123	69.00	62.88
	6"	C3616-54	133	63.00	56.88	140	69.00	62.88
60	5"	C3516-60	125	69.00	62.88	132	75.00	68.88
	6"	C3616-60	144	69.00	62.88	151	75.00	68.88

* Weight includes pillow blocks (P-B22431H).

steel rolls, positive action type







CEMA C / D

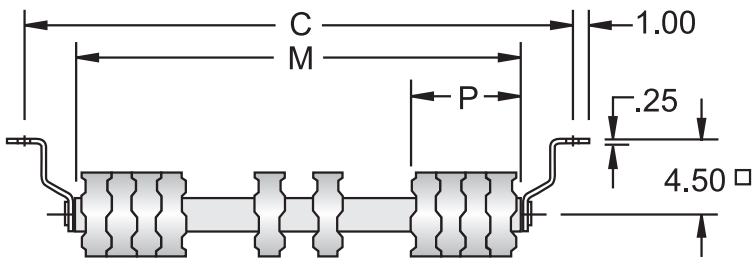
Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")			M	J	H
			Idler weight, pounds	B	C	Idler weight, pounds	B	C			
				Inches			Inches		Inches		
18	5"	C3514S-18	85	23.56	27.00	87	23.56	33.00	20.62	5.75	9.00
	6"	C3614S-18	90	23.56	27.00	92	23.56	33.00	20.62	5.75	9.00
20	5"	C3514S-20	89	25.56	29.00	91	25.56	35.00	22.62	5.75	9.00
	6"	C3614S-20	94	25.56	29.00	96	25.56	35.00	22.62	5.75	9.00
24	5"	3514S-24	98	29.56	33.00	100	29.56	39.00	26.62	5.75	9.00
	6"	3614S-24	104	29.56	33.00	106	29.56	39.00	26.62	5.75	9.00
30	5"	3514S-30	114	35.56	39.00	117	35.56	45.00	32.62	5.75	9.00
	6"	3614S-30	121	35.56	39.00	124	35.56	45.00	32.62	5.75	9.00
36	5"	3514S-36	128	41.56	45.00	131	41.56	51.00	38.62	5.75	9.00
	6"	3614S-36	136	41.56	45.00	139	41.56	51.00	38.62	5.75	9.00
42	5"	3514S-42	150	47.56	51.00	153	47.56	57.00	44.62	5.75	9.00
	6"	3614S-42	159	47.56	51.00	162	47.56	57.00	44.62	5.75	9.00
48	5"	3514S-48	165	53.56	57.00	168	53.56	63.00	50.62	5.75	9.00
	6"	3614S-48	175	53.56	57.00	178	53.56	63.00	50.62	5.75	9.00
54	5"	D3514S-54	183	59.50	63.00	191	59.50	69.00	56.62	6.75	10.00
	6"	D3614S-54	193	59.50	63.00	201	59.50	69.00	56.62	6.75	10.00
60	5"	D3514S-60	199	65.50	69.00	207	65.50	75.00	62.62	6.75	10.00
	6"	D3614S-60	211	65.50	69.00	218	65.50	75.00	62.62	6.75	10.00
66	5"	D3514S-66	215	71.50	75.00	223	71.50	81.00	68.62	6.75	10.00
	6"	D3614S-66	228	71.50	75.00	236	71.50	81.00	68.62	6.75	10.00
72	5"	D3514S-72	223	77.50	81.00	231	77.50	87.00	74.62	6.75	10.00
	6"	D3614S-72	233	77.50	81.00	241	77.50	87.00	74.62	6.75	10.00

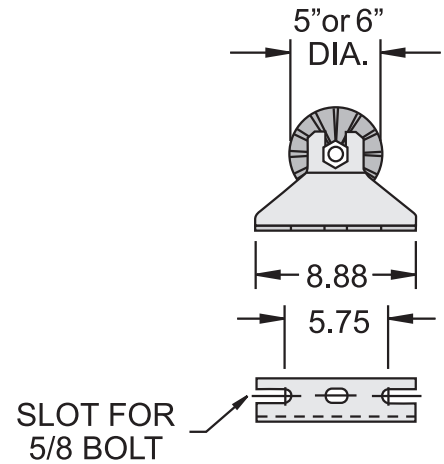
■ Bolt spacing recommended to permit adjustment is (J + 1.75").
Example: If "J" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

● 1/4" thick rubber or urethane coated rolls, optional.
● CEMA C or D are available in belt widths of 24" - 48".

return belt idlers

rubber tread rolls, massed ends



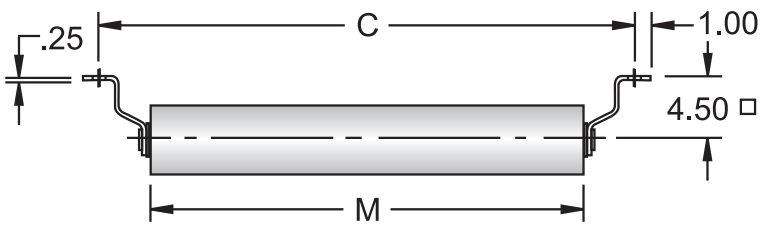


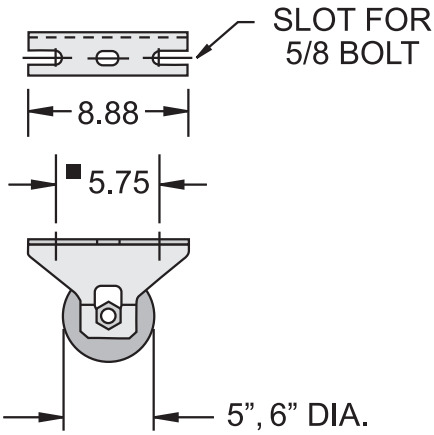
CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")				Wide Base * (Belt width + 15")				Number of treads
			Idler weight, pounds	C	M	P	Idler weight, pounds	C	M	P	
				Inches				Inches			
18	5"	C3518S-18	27	27.00	20.75	6.62	33	33.00	26.75	9.62	9
	6"	C3618S-18 ▽	33	27.00	20.75	6.62	39	33.00	26.75	9.62	9
20	5"	C3518S-20	28	29.00	22.75	6.62	34	35.00	28.75	9.62	9
	6"	C3618S-20 ▽	34	29.00	22.75	6.62	40	35.00	28.75	9.62	9
24	5"	3518S-24	30	33.00	26.75	6.62	36	39.00	32.75	9.62	10
	6"	3618S-24 ▽	36	33.00	26.75	6.62	43	39.00	32.75	9.62	10
30	5"	3518S-30	34	39.00	32.75	6.62	41	45.00	38.75	9.62	11
	6"	3618S-30 ▽	41	39.00	32.75	6.62	48	45.00	38.75	9.62	11
36	5"	3518S-36	38	45.00	38.75	6.62	45	51.00	44.75	9.62	12
	6"	3618S-36 ▽	47	45.00	38.75	6.62	53	51.00	44.75	9.62	12
42	5"	3518S-42	41	51.00	44.75	6.62	48	57.00	50.75	9.62	13
	6"	3618S-42 ▽	49	51.00	44.75	6.62	56	57.00	50.75	9.62	13
48	5"	3518S-48	47	57.00	50.75	6.62	*Reference D3618S-48*				15
	6"	3618S-48 ▽	57	57.00	50.75	6.62					15
48	5"	D3518S-48	49	57.00	50.75	9.62	52	63.00	56.75	9.62	15
	6"	D3618S-48 ▽	59	57.00	50.75	9.62	61	63.00	56.75	9.62	15
54	5"	D3518S-54	65	63.00	56.75	9.62	68	69.00	62.75	9.62	16
	6"	D3618S-54 ▽	75	63.00	56.75	9.62	78	69.00	62.75	9.62	16
60	5"	D3518S-60	70	69.00	62.75	9.62	73	75.00	68.75	9.62	17
	6"	D3618S-60 ▽	82	69.00	62.75	9.62	85	75.00	68.75	9.62	17
72	5"	D3518S-72	95	81.00	74.75	9.62	98	87.00	80.75	9.62	19
	6"	D3618S-72 ▽	119	81.00	74.75	9.62	122	87.00	80.75	9.62	19

■ 7.50" bolt spacing recommended.
▽ 6" diameter urethane treads available.
● CEMA C or D are available in belt widths of 24" - 48".
□ 1.5" drop can be furnished if specified.
* For belt widths + 15" mounting above 42" use CEMA D.

steel rolls





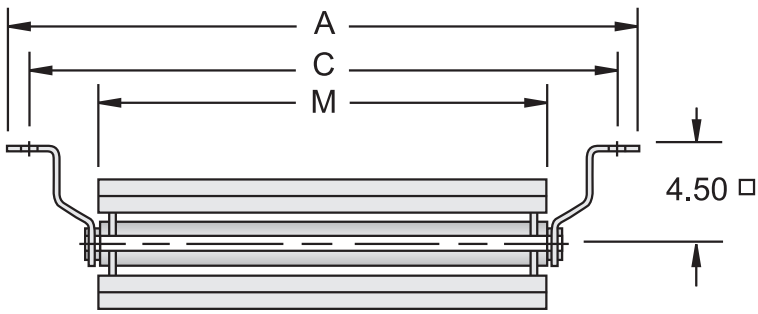
CEMA C / D

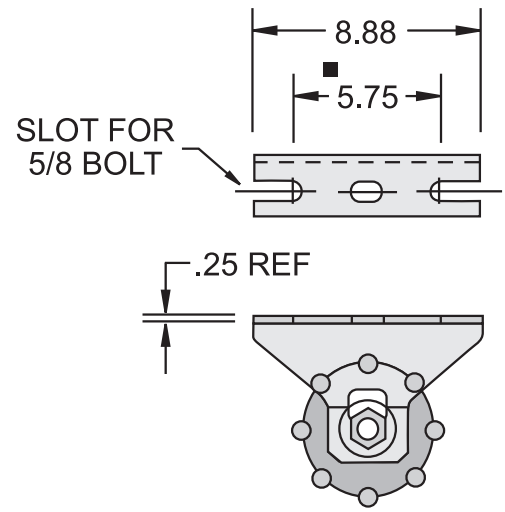
Belt width, inches	Dia.	● * Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")		
			Idler weight, pounds	C	M	Idler weight, pounds	C	M
				Inches			Inches	
18	5"	C3517S-18	30	27.00	20.62	38	33.00	26.62
	6"	C3617S-18	35	27.00	20.62	45	33.00	26.62
20	5"	C3517S-20	32	29.00	22.62	40	35.00	28.62
	6"	C3617S-20	38	29.00	22.62	48	35.00	28.62
24	5"	3517S-24	36	33.00	26.62	44	39.00	32.62
	6"	3617S-24	42	33.00	26.62	52	39.00	32.62
30	5"	3517S-30	42	39.00	32.62	50	45.00	38.62
	6"	3617S-30	50	39.00	32.62	60	45.00	38.62
36	5"	3517S-36	48	45.00	38.62	56	51.00	44.62
	6"	3617S-36	58	45.00	38.62	68	51.00	44.62
42	5"	3517S-42	53	51.00	44.62	61	57.00	50.62
	6"	3617S-42	63	51.00	44.62	73	57.00	50.62
48	5"	3517S-48	60	57.00	50.62	*Reference D3617S-48*		
	6"	3617S-48	72	57.00	50.62			
48	5"	D3517S-48	62	57.00	50.62	88	63.00	56.62
	6"	D3617S-48	74	57.00	50.62	102	63.00	56.62
54	5"	D3517S-54	88	63.00	56.62	98	69.00	62.62
54	6"	D3617S-54	101	63.00	56.62	113	69.00	62.62
60	5"	D3517S-60	98	69.00	62.62	108	75.00	68.62
60	6"	D3617S-60	111	69.00	62.62	123	75.00	68.62
72	5"	D3517S-72	122	81.00	74.62	133	87.00	80.62
72	6"	D3617S-72	134	81.00	74.62	147	87.00	80.62

■ 7.50" bolt spacing recommended.
□ 1.5" drop can be furnished if specified.
* For belt widths + 15" mounting above 42" use CEMA D and next higher belt width.

● 1/4" thick rubber or urethane coated rolls, optional.
● CEMA C or D are available in belt widths of 24" - 48".

return belt beater idlers



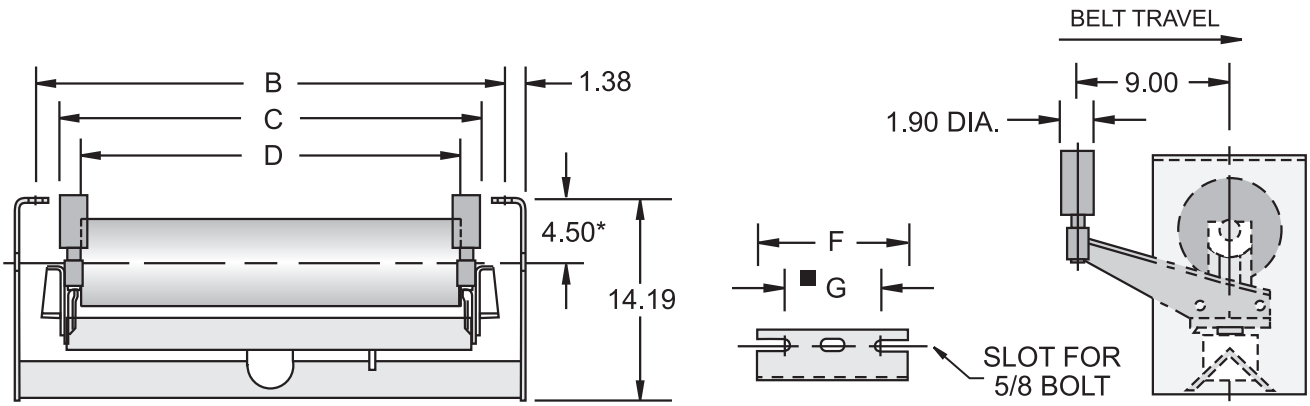


CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")				Wide Base * (Belt width + 15")			
			Idler weight, pounds	A	C	M	Idler weight, pounds	A	C	M
				Inches				Inches		
18	6"	C3619S-18	46	29.00	27.00	20.62	59	35.00	33.00	26.62
20	6"	C3619S-20	50	31.00	29.00	22.62	62	37.00	35.00	28.62
24	6"	3619S-24	59	35.00	33.00	26.62	68	41.00	39.00	32.62
30	6"	3619S-30	68	41.00	39.00	32.62	80	47.00	45.00	38.62
36	6"	3619S-36	80	47.00	45.00	38.62	99	53.00	51.00	44.62
42	6"	3619S-42	99	53.00	51.00	44.62	109	59.00	57.00	50.62
48	6"	3619S-48	109	59.00	57.00	50.62	*Reference D3619S-48*			
48	6"	D3619S-48	104	59.00	57.00	50.62	135	65.00	63.00	56.62
54	6"	D3619S-54	135	65.00	63.00	56.62	149	71.00	69.00	62.62
60	6"	D3619S-60	149	71.00	69.00	62.62	163	77.00	75.00	68.62

■ 7.50" bolt spacing recommended.
□ 1.5" drop can be furnished if specified.
* For belt widths + 15" mounting above 42" use CEMA D and next higher belt width.
● CEMA C or D are available in belt widths of 24" - 48".

steel rolls, positive action type



CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		C	D	G	F
			Idler weight, pounds	B	Idler weight, pounds	B	Inches			
18	5"	C3520S-18	95	27.00	97	33.00	23.56	20.62	5.75	9.00
	6"	C3620S-18	100	27.00	103	33.00	23.56	20.62	5.75	9.00
20	5"	C3520S-20	99	29.00	101	35.00	25.56	22.62	5.75	9.00
	6"	C3620S-20	105	29.00	107	35.00	25.56	22.62	5.75	9.00
24	5"	3520S-24	106	33.00	108	39.00	29.56	26.62	5.75	9.00
	6"	3620S-24	113	33.00	116	39.00	29.56	26.62	5.75	9.00
30	5"	3520S-30	122	39.00	125	45.00	35.56	32.62	5.75	9.00
	6"	3620S-30	130	39.00	133	45.00	35.56	32.62	5.75	9.00
36	5"	3520S-36	134	45.00	137	51.00	41.56	38.62	5.75	9.00
	6"	3620S-36	144	45.00	147	51.00	41.56	38.62	5.75	9.00
42	5"	3520S-42	154	51.00	158	57.00	47.56	44.62	5.75	9.00
	6"	3620S-42	165	51.00	168	57.00	47.56	44.62	5.75	9.00
48	5"	3520S-48	170	57.00	174	63.00	53.56	50.62	5.75	9.00
	6"	3620S-48	182	57.00	186	63.00	53.56	50.62	5.75	9.00
48	5"	D3520S-48	172	57.00	176	63.00	53.56	50.62	5.75	9.00
	6"	D3620S-48	184	57.00	188	63.00	53.56	50.62	5.75	9.00
54	5"	D3520S-54	206	63.00	210	69.00	59.56	56.62	6.75	10.00
	6"	D3620S-54	220	63.00	224	69.00	59.56	56.62	6.75	10.00
60	5"	D3520S-60	228	69.00	232	75.00	65.56	62.62	6.75	10.00
	6"	D3620S-60	242	69.00	245	75.00	65.56	62.62	6.75	10.00
72	5"	D3520S-72	252	81.00	256	87.00	77.56	74.62	6.75	10.00
	6"	D3620S-72	264	81.00	267	87.00	77.56	74.62	6.75	10.00

■ Bolt spacing recommended to permit adjustment is (G + 1.75").
Example: If "G" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

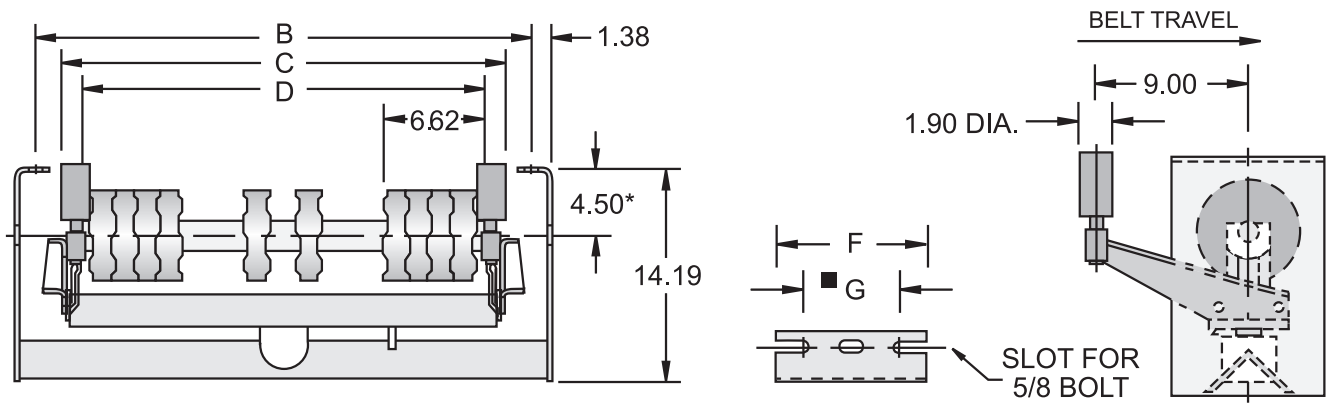
* 1.5" drop can be furnished if specified.

● 1/4" thick rubber or urethane coated rolls, optional.

● CEMA C or D are available in belt widths of 24" - 48".

return belt training idlers

rubber tread rolls, positive action type, massed ends



CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		C	D	Number of treads	G	F
			Idler weight, pounds	B	Idler weight, pounds	B	Inches			Inches	
18	5"	C3521S-18	91	27.00	93	33.00	23.56	20.75	9	5.75	9.00
	6"	C3621S-18 ▽	97	27.00	99	33.00	23.56	20.75	9	5.75	9.00
20	5"	C3521S-20	94	29.00	96	35.00	25.56	22.75	9	5.75	9.00
	6"	C3621S-20 ▽	100	29.00	102	35.00	25.56	22.75	9	5.75	9.00
24	5"	3521S-24	101	33.00	103	39.00	29.56	26.75	10	5.75	9.00
	6"	3621S-24 ▽	107	33.00	110	39.00	29.56	26.75	10	5.75	9.00
30	5"	3521S-30	114	39.00	118	45.00	35.56	32.75	11	5.75	9.00
	6"	3621S-30 ▽	121	39.00	125	45.00	35.56	32.75	11	5.75	9.00
36	5"	3521S-36	124	45.00	128	51.00	41.56	38.75	12	5.75	9.00
	6"	3621S-36 ▽	133	45.00	136	51.00	41.56	38.75	12	5.75	9.00
42	5"	3521S-42	143	51.00	147	57.00	47.56	44.75	13	5.75	9.00
	6"	3621S-42 ▽	151	51.00	155	57.00	47.56	44.75	13	5.75	9.00
48	5"	C3521S-48	157	57.00	161	63.00	53.56	50.75	15	5.75	9.00
	6"	C3621S-48 ▽	167	57.00	170	63.00	53.56	50.75	15	5.75	9.00
48	5"	D3521S-48	159	57.00	163	63.00	53.56	50.75	15	5.75	9.00
	6"	D3621S-48 ▽	169	57.00	173	63.00	53.56	50.75	15	5.75	9.00
54	5"	D3521S-54	182	63.00	186	69.00	59.56	56.75	16	6.75	10.00
	6"	D3621S-54 ▽	192	63.00	196	69.00	59.56	56.75	16	6.75	10.00
60	5"	D3521S-60	200	69.00	204	75.00	65.56	62.75	17	6.75	10.00
	6"	D3621S-60 ▽	212	69.00	216	75.00	65.56	62.75	17	6.75	10.00
72	5"	D3521S-72	225	81.00	229	87.00	77.56	74.75	19	6.75	10.00
	6"	D3621S-72 ▽	239	81.00	243	87.00	77.56	74.75	19	6.75	10.00

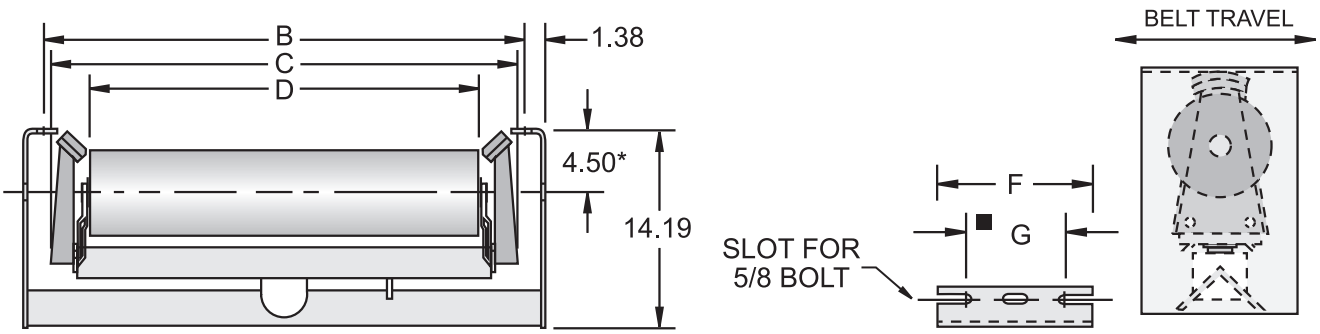
■ Bolt spacing recommended to permit adjustment is (G + 1.75"). Example: If "G" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

▽ 6" diameter urethane treads available.

● CEMA C or D are available in belt widths of 24" - 42".

* 1.5" drop can be furnished if specified.

steel rolls, actuating shoe type, reversing belts



CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		C	D	G	F
			Idler weight, pounds	B	Idler weight, pounds	B	Inches			
18	5"	C3526S-18	85	27.00	87	33.00	26.00	20.62	5.75	9.00
	6"	C3626S-18	90	27.00	93	33.00	26.00	20.62	5.75	9.00
20	5"	C3526S-20	89	29.00	91	35.00	28.00	22.62	5.75	9.00
	6"	C3626S-20	95	29.00	97	35.00	28.00	22.62	5.75	9.00
24	5"	3526S-24	96	33.00	98	39.00	32.00	26.62	5.75	9.00
	6"	3626S-24	103	33.00	106	39.00	32.00	26.62	5.75	9.00
30	5"	3526S-30	112	39.00	115	45.00	38.00	32.62	5.75	9.00
	6"	3626S-30	120	39.00	123	45.00	38.00	32.62	5.75	9.00
36	5"	3526S-36	124	45.00	127	51.00	44.00	38.62	5.75	9.00
	6"	3626S-36	134	45.00	137	51.00	44.00	38.62	5.75	9.00
42	5"	3526S-42	144	51.00	148	57.00	50.00	44.62	5.75	9.00
	6"	3626S-42	155	51.00	158	57.00	50.00	44.62	5.75	9.00
48	5"	3526S-48	160	57.00	164	63.00	56.00	50.62	5.75	9.00
	6"	3626S-48	172	57.00	176	63.00	56.00	50.62	5.75	9.00
54	5"	D3526S-54	196	63.00	200	69.00	62.00	56.62	6.75	10.00
	6"	D3626S-54	210	63.00	214	69.00	62.00	56.62	6.75	10.00
60	5"	D3526S-60	218	69.00	222	75.00	68.00	62.62	6.75	10.00
	6"	D3626S-60	232	69.00	236	75.00	68.00	62.62	6.75	10.00
72	5"	D3526S-72	242	81.00	246	87.00	80.00	74.62	6.75	10.00
	6"	D3626S-72	254	81.00	258	87.00	80.00	74.62	6.75	10.00

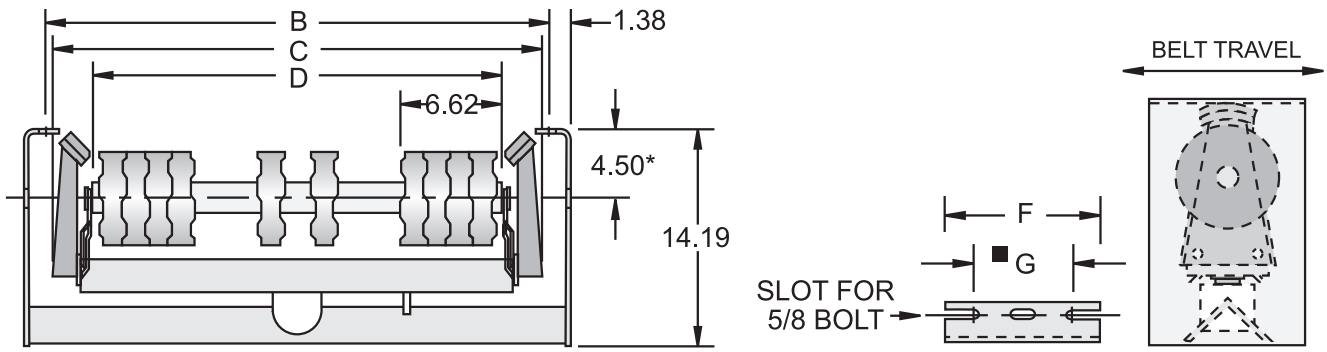
■ Bolt spacing recommended to permit adjustment is (G + 1.75"). Example: If "G" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

● CEMA C or D are available in belt widths of 24" - 48".

● 1/4" thick rubber or urethane coated rolls, optional.

return belt training idlers

rubber tread rolls, actuating shoe type – reversing belts
massed ends



CEMA C / D

Belt width, inches	Dia.	● Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		C	D	Number of treads	G	F
			Idler weight, pounds	B	Idler weight, pounds	B	Inches			Inches	
18	5"	C3527S-18	81	27.00	83	33.00	26.00	20.75	9	5.75	9.00
	6"	C3627S-18 ▽	87	27.00	89	33.00	26.00	20.75	9	5.75	9.00
20	5"	C3527S-20	84	29.00	86	35.00	28.00	22.75	9	5.75	9.00
	6"	C3627S-20 ▽	90	29.00	92	35.00	28.00	22.75	9	5.75	9.00
24	5"	3527S-24	91	33.00	93	39.00	32.00	26.75	10	5.75	9.00
	6"	3627S-24 ▽	97	33.00	100	39.00	32.00	26.75	10	5.75	9.00
30	5"	3527S-30	104	39.00	108	45.00	38.00	32.75	11	5.75	9.00
	6"	3627S-30 ▽	111	39.00	115	45.00	38.00	32.75	11	5.75	9.00
36	5"	3527S-36	114	45.00	118	51.00	44.00	38.75	12	5.75	9.00
	6"	3627S-36 ▽	123	45.00	126	51.00	44.00	38.75	12	5.75	9.00
42	5"	3527S-42	133	51.00	137	57.00	50.00	44.75	13	5.75	9.00
	6"	3627S-42 ▽	141	51.00	145	57.00	50.00	44.75	13	5.75	9.00
48	5"	3527S-48	147	57.00	151	63.00	56.00	50.75	15	5.75	9.00
	6"	3627S-48 ▽	157	57.00	160	63.00	56.00	50.75	15	5.75	9.00
48	5"	D3527S-48	149	57.00	153	63.00	56.00	50.75	15	5.75	9.00
	6"	D3627S-48 ▽	159	57.00	163	63.00	56.00	50.75	15	5.75	9.00
54	5"	D3527S-54	172	63.00	176	69.00	62.00	56.75	16	6.75	10.00
	6"	D3627S-54 ▽	182	63.00	186	69.00	62.00	56.75	16	6.75	10.00
60	5"	D3527S-60	190	69.00	194	75.00	68.00	62.75	17	6.75	10.00
	6"	D3627S-60 ▽	202	69.00	206	75.00	68.00	62.75	17	6.75	10.00
72	5"	D3527S-72	215	81.00	219	87.00	80.00	74.75	19	6.75	10.00
	6"	D3627S-72 ▽	229	81.00	233	87.00	80.00	74.75	19	6.75	10.00

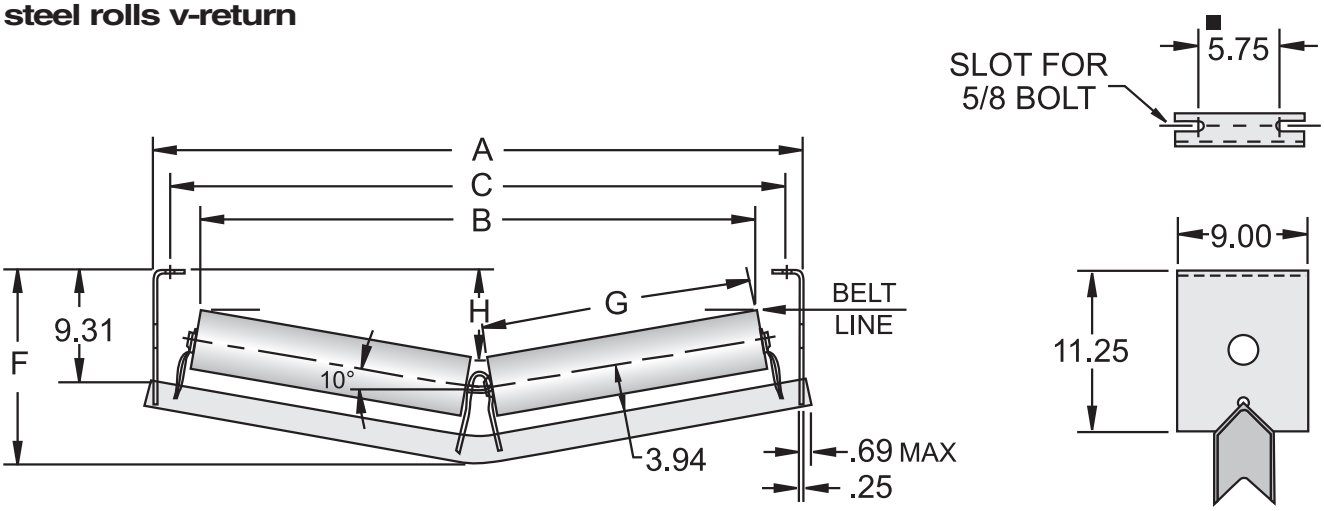
■ Bolt spacing recommended to permit adjustment is (G + 1.75").
Example: If "G" = 5.75" then (5.75" + 1.75" = 7.5" bolt spacing)

▽ 6" diameter urethane treads available.

* 1.5" drop can be furnished if specified.

● CEMA C or D are available in belt widths of 24" - 48".

steel rolls v-return



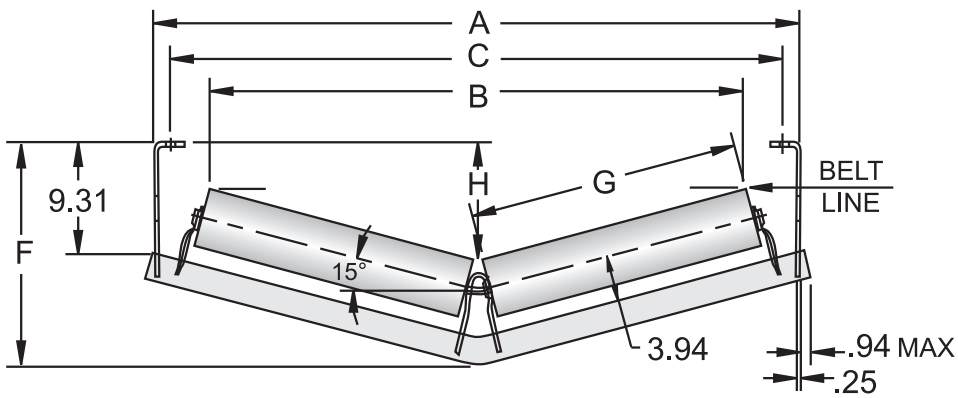
CEMA C / D

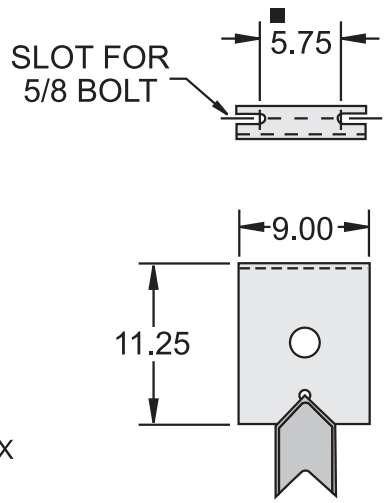
** Belt width, inches	Dia.	● Idler number	Idler weight, pounds	A	B	C	F	G	H
				Inches					
24	5”	C3565S-24	78	35.75	26.62	33.00	14.62	12.81	5.88
	6”	C3665S-24	83	35.75	26.44	33.00	14.62	12.81	5.38
30	5”	C3565S-30	86	41.75	32.88	39.00	15.12	16.00	6.38
	6”	C3665S-30	92	41.75	32.75	39.00	15.12	16.00	5.88
36	5”	3565S-36	94	47.75	39.19	45.00	15.69	19.19	6.94
	6”	3665S-36	101	47.75	39.00	45.00	15.69	19.19	6.44
42	5”	3565S-42	109	53.75	45.94	51.00	16.25	22.62	7.44
	6”	3665S-42	116	53.75	45.75	51.00	16.25	22.62	6.94
48	5”	3565S-48	117	59.75	51.88	57.00	16.75	25.62	8.00
	6”	3665S-48	125	59.75	51.69	57.00	16.75	25.62	7.50
54	5”	3565S-54	125	65.75	57.75	63.00	17.31	28.62	8.50
	6”	3665S-54	134	65.75	57.56	63.00	17.31	28.62	8.00
60	5”	3565S-60	139	71.75	63.69	69.00	18.12	31.62	9.06
	6”	3665S-60	148	71.75	63.50	69.00	18.12	31.62	8.50
66	5”	3565S-66	148	77.75	69.56	75.00	18.62	34.62	9.56
	6”	3665S-66	158	77.75	69.38	75.00	18.62	34.62	9.06
72	5”	D3565S-72	103	83.75	75.50	81.00	19.56	37.62	10.12
	6”	D3665S-72	148	83.75	75.31	81.00	19.56	37.62	9.56
78	5”	D3565S-78	103	89.75	81.38	87.00	20.12	40.62	10.62
	6”	D3665S-78	158	89.75	81.25	87.00	20.12	40.62	10.12

■ 7.50” bolt spacing recommended.
** For belt width + 15” mounting use next higher belt width.
● 1/4” thick rubber or urethane coated rolls, optional.
● CEMA C or D are available in belt widths of 36” - 66”.

15° v-return idlers

steel rolls v-return





CEMA C / D

** Belt width, inches	Dia.	● Idler number	Idler weight, pounds	A	B	C	F	G	H
				Inches					
24	5”	C3566S-24	78	35.75	25.62	33.00	16.19	12.81	7.38
	6”	C3666S-24	83	35.75	25.38	33.00	16.19	12.81	6.88
30	5”	C3566S-30	86	41.75	31.81	39.00	17.00	16.00	8.19
	6”	C3666S-30	92	41.75	31.56	39.00	17.00	16.00	7.62
36	5”	3566S-36	94	47.75	37.94	45.00	17.81	19.19	9.00
	6”	3666S-36	101	47.75	37.69	45.00	17.81	19.19	8.44
42	5”	3566S-42	109	53.75	44.56	51.00	18.69	22.62	9.75
	6”	3666S-42	116	53.75	44.31	51.00	18.69	22.62	9.25
48	5”	3566S-48	117	59.75	50.38	57.00	19.44	25.62	10.56
	6”	3666S-48	125	59.75	50.12	57.00	19.44	25.62	10.06
54	5”	3566S-54	125	65.75	56.18	63.00	20.25	28.62	11.38
	6”	3666S-54	134	65.75	55.94	63.00	20.25	28.62	10.88
60	5”	3566S-60	139	71.75	61.94	69.00	21.38	31.62	12.19
	6”	3666S-60	148	71.75	61.69	69.00	21.38	31.62	11.69
66	5”	3566S-66	148	77.75	67.75	75.00	22.19	34.62	13.00
	6”	3666S-66	158	77.75	67.50	75.00	22.19	34.62	12.50
72	5”	D3566S-72	163	83.75	73.56	81.00	23.38	37.62	13.81
	6”	D3666S-72	174	83.75	73.31	81.00	23.38	37.62	13.31
78	5”	D3566S-78	185	89.75	79.38	87.00	24.25	40.62	14.62
	6”	D3666S-78	197	89.75	79.12	87.00	24.25	40.62	14.06

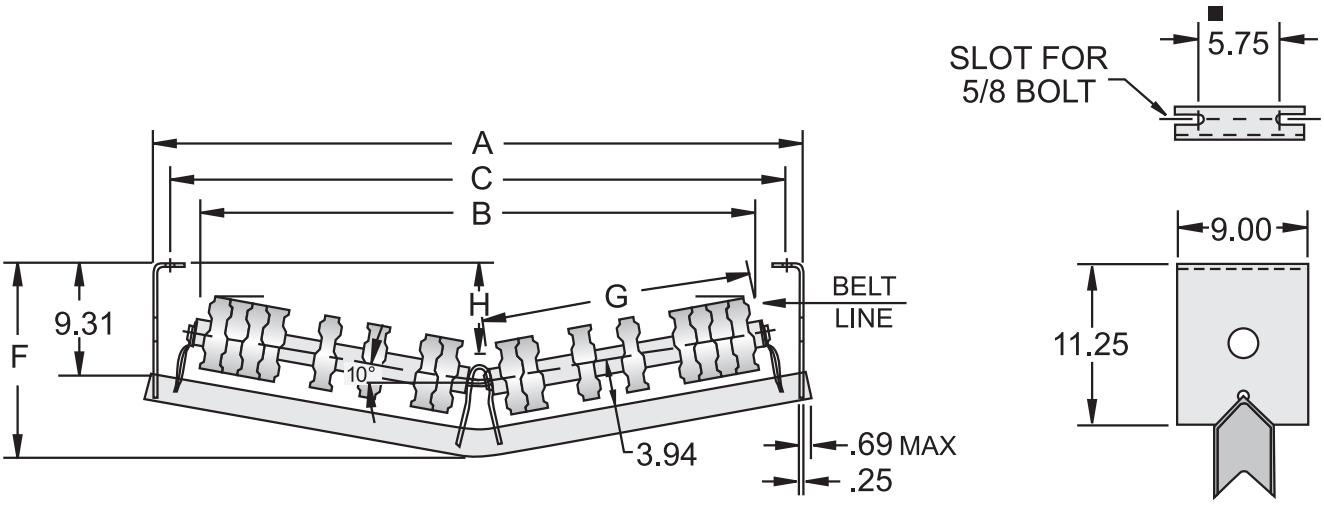
■ 7.50” bolt spacing recommended.

** For belt width + 15” mounting use next higher belt width.

● 1/4” thick rubber or urethane coated rolls, optional.

● CEMA C or D are available in belt widths of 36” - 66”.

rubber tread rolls v-return, massed ends



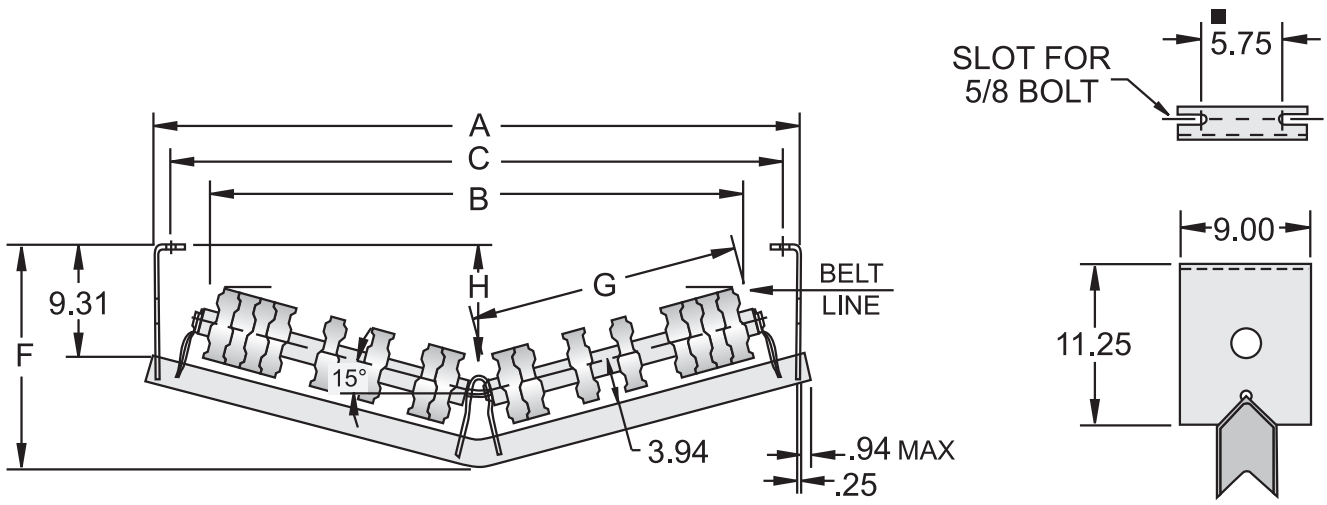
CEMA C / D

** Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	F	G	H
				Inches					
24	6”	C3668S-24	86	35.75	24.44	33.00	14.62	12.69	5.38
30	6”	C3668S-30	91	41.75	30.69	39.00	15.12	15.88	5.88
36	6”	3668S-36	99	47.75	36.50	45.00	15.69	19.06	6.44
42	6”	3668S-42	114	53.75	43.75	51.00	16.25	22.75	6.94
48	6”	3668S-48	119	59.75	49.62	57.00	16.75	25.75	7.50
54	6”	3668S-54	136	65.75	55.50	63.00	17.31	28.75	8.00
60	6”	3668S-60	146	71.75	61.43	69.00	18.12	31.75	8.50
66	6”	3668S-66	152	77.75	67.88	75.00	18.62	34.75	9.06
72	6”	D3668S-72	170	83.75	73.75	81.00	19.56	37.75	9.56
78	6”	D3668S-78	189	89.75	79.69	87.00	20.12	40.75	10.12

■ 7.50” bolt spacing recommended.
● CEMA C or D are available in belt widths of 36” - 66”.
** For belt width + 15” mounting use next higher belt width.

15° v-return idlers

rubber tread rolls v-return, massed ends



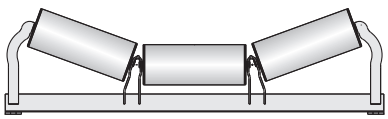
CEMA C / D

** Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	F	G	H
				Inches					
24	6”	C3669S-24	86	35.75	23.38	33.00	16.19	12.69	6.88
30	6”	C3669S-30	91	41.75	29.56	39.00	17.00	15.88	7.62
36	6”	3669S-36	99	47.75	35.25	45.00	17.81	19.06	8.44
42	6”	3669S-42	114	53.75	42.31	51.00	18.69	22.75	9.25
48	6”	3669S-48	119	59.75	48.12	57.00	19.44	25.75	10.06
54	6”	3669S-54	136	65.75	53.94	63.00	20.25	28.75	10.88
60	6”	3669S-60	146	71.75	59.69	69.00	21.38	31.75	11.69
66	6”	3669S-66	152	77.75	66.00	75.00	22.19	34.75	12.50
72	6”	D3669S-72	170	83.75	71.75	81.00	23.38	37.75	13.31
78	6”	D3669S-78	189	89.75	77.56	87.00	24.25	40.75	14.06

■ 7.50” bolt spacing recommended.
● CEMA C or D are available in belt widths of 36” - 66”.
** For belt width + 15” mounting use next higher belt width.

ordering replacement rolls

Below are the part numbers to reference when ordering sealed replacement rolls for CEMA series C and D. If regreasable rolls are required, drop the "S" suffix in the part number. Frame is not included.



The following part numbers fit

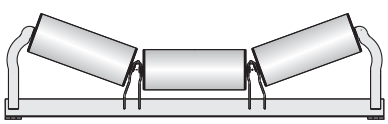
5" diameter steel troughing rolls for 3501S, 3502S, 3506S, 3507S, 3508S, 3509S, 3511S, 3528S, 3532S and 3537S idlers

C3500 replacement rolls

Belt Width	Part Number
18	1730-281-A.S
20	1730-281-B.S
24	1730-281-C.S
30	1730-281-D.S
36	1730-281-E.S
42	1730-281-F.S
48	1730-281-G.S
54	1730-281-H.S
60	1730-281-J.S
–	–

D3500 replacement rolls

Belt Width	Part Number
–	–
–	–
24	1730-281-C.S
30	1730-281-D.S
36	1730-281-E.S
42	1730-281-F.S
48	1730-281-G.S
54	1730-281-H.S
60	1730-281-J.S
72	1730-341-V.S



The following part numbers fit

6" diameter steel troughing rolls for 3601S, 3602S, 3606S, 3607S, 3608S, 3609S, 3611S, 3628S, 3632S and 3637S idlers

C3600 replacement rolls

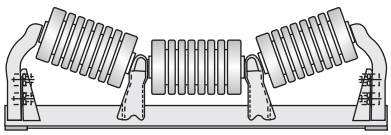
Belt Width	Part Number
18	1730-285-A.S
20	1730-285-B.S
24	1730-285-C.S
30	1730-285-D.S
36	1730-285-E.S
42	1730-285-F.S
48	1730-285-G.S
54	1730-285-H.S
60	1730-285-J.S
–	–

D3600 replacement rolls

Belt Width	Part Number
–	–
–	–
24	1730-285-C.S
30	1730-285-D.S
36	1730-285-E.S
42	1730-285-F.S
48	1730-285-G.S
54	1730-285-H.S
60	1730-285-J.S
72	1730-342-V.S

ordering replacement rolls

Below are the part numbers to reference when ordering sealed replacement rolls for CEMA series C and D.
If regreasable rolls are required, drop the “S” suffix in the part number. Frame is not included.



The following part numbers fit

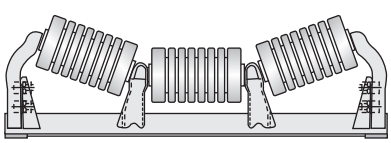
5” diameter rubber cushion troughing rolls for 3504S, 3523S and 3530S idlers

C3500 replacement rolls

Belt Width	Part Number
18	1730-327-A.S
20	1730-327-B.S
24	1730-327-C.S
30	1730-327-D.S
36	1730-327-E.S
42	1730-327-F.S
48	1730-327-G.S
54	1730-327-H.S
60	1730-327-J.S
–	–

D3500 replacement rolls

Belt Width	Part Number
–	–
–	–
24	1730-327-C.S
30	1730-327-D.S
36	1730-327-E.S
42	1730-327-F.S
48	1730-327-G.S
54	1730-327-H.S
60	1730-327-J.S
72	1730-404-K.S



The following part numbers fit

6” diameter rubber cushion troughing rolls for 3604S, 3623S and 3630S idlers

C3600 replacement rolls

Belt Width	Part Number
18	1730-326-A.S
20	1730-326-B.S
24	1730-326-C.S
30	1730-326-D.S
36	1730-326-E.S
42	1730-326-F.S
48	1730-326-G.S
54	1730-326-H.S
60	1730-326-J.S
–	–

D3600 replacement rolls

Belt Width	Part Number
–	–
–	–
24	1730-326-C.S
30	1730-326-D.S
36	1730-326-E.S
42	1730-326-F.S
48	1730-326-G.S
54	1730-326-H.S
60	1730-326-J.S
72	1730-361-F.S

ordering replacement rolls

Below are the part numbers to reference when ordering sealed replacement rolls for CEMA series C and D. If regreasable rolls are required, drop the "S" suffix in the part number. Brackets are not included.

The following part numbers fit

5" diameter steel return/carrying rolls for 3513S, 3514S, 3517S, 3520S and 3526S idlers

C3500 replacement rolls

Belt Width	Part Number
18	1730-281-AE.S
20	1730-281-AF.S
24	1730-281-AG.S
30	1730-281-AH.S
36	1730-281-AJ.S
42	1730-281-AK.S
48	1730-281-AL.S
–	–
–	–
–	–
–	–
–	–

D3500 replacement rolls

Belt Width	Part Number
–	–
–	–
24	1730-341-AE.S
30	1730-341-AF.S
36	1730-341-AB.S
42	1730-341-R.S
48	1730-341-S.S
54	1730-341-T.S
60	1730-341-U.S
66	1730-341-W.S
72	1730-341-AA.S
78	1730-341-AR.S

The following part numbers fit

6" diameter steel return/carrying rolls for 3613S, 3614S, 3617S, 3620S and 3626S idlers

C3600 replacement rolls

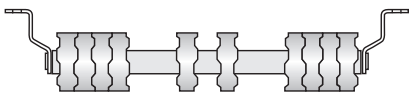
Belt Width	Part Number
18	1730-285-AE.S
20	1730-285-AF.S
24	1730-285-AG.S
30	1730-285-AH.S
36	1730-285-AJ.S
42	1730-285-AK.S
48	1730-285-AL.S
–	–
–	–
–	–
–	–
–	–

D3600 replacement rolls

Belt Width	Part Number
–	–
–	–
24	1730-342-AC.S
30	1730-342-AJ.S
36	1730-342-AB.S
42	1730-342-R.S
48	1730-342-S.S
54	1730-342-T.S
60	1730-342-U.S
66	1730-342-W.S
72	1730-342-AA.S
78	1730-342-AK.S

ordering replacement rolls

Below are the part numbers to reference when ordering sealed replacement rolls for CEMA series C and D.
If regreasable rolls are required, drop the “S” suffix in the part number. Brackets are not included.



The following part numbers fit

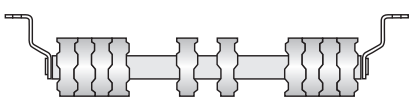
5” diameter rubber tread return rolls for 3518S and 3521S idlers

C3500 replacement rolls

Belt Width	Part Number
18	1730-524-B.S
20	1730-524-C.S
24	1730-524-D.S
30	1730-524-E.S
36	1730-524-F.S
42	1730-524-G.S
48	1730-524-H.S
–	–
–	–
–	–

D3500 replacement rolls

Belt Width	Part Number
–	–
–	–
24	1730-523-X.S
30	1730-523-V.S
36	1730-523-U.S
42	1730-523-E.S
48	1730-523-F.S
54	1730-523-G.S
60	1730-523-H.S
72	1730-523-J.S



The following part numbers fit

6” diameter rubber tread return rolls for 3618S and 3621S idlers

C3600 replacement rolls

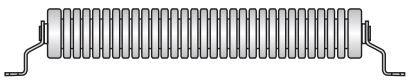
Belt Width	Part Number
18	1730-229-B.S
20	1730-229-C.S
24	1730-229-D.S
30	1730-229-E.S
36	1730-229-F.S
42	1730-229-G.S
48	1730-229-H.S
–	–
–	–
–	–

D3600 replacement rolls

Belt Width	Part Number
–	–
–	–
24	1730-358-X.S
30	1730-358-V.S
36	1730-358-U.S
42	1730-358-E.S
48	1730-358-F.S
54	1730-358-G.S
60	1730-358-H.S
72	1730-358-J.S

ordering replacement rolls

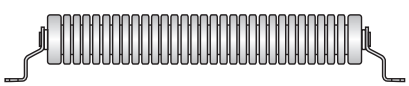
Below are the part numbers to reference when ordering sealed replacement rolls for CEMA series C and D. If regreasable rolls are required, drop the "S" suffix in the part number. Brackets are not included.



The following part numbers fit
5" diameter rubber cushion rolls for C3515S idlers

C3500 replacement rolls

Belt Width	Part Number
18	1730-328-A.S
20	1730-328-B.S
24	1730-328-C.S
30	1730-328-D.S
36	1730-328-E.S
42	1730-328-F.S
48	1730-328-G.S



The following part numbers fit
6" diameter rubber cushion rolls for 3615S idlers

C3600 replacement rolls

Belt Width	Part Number
18	1730-325-A.S
20	1730-325-B.S
24	1730-325-C.S
30	1730-325-D.S
36	1730-325-E.S
42	1730-325-F.S
48	1730-325-G.S
–	–
–	–
–	–

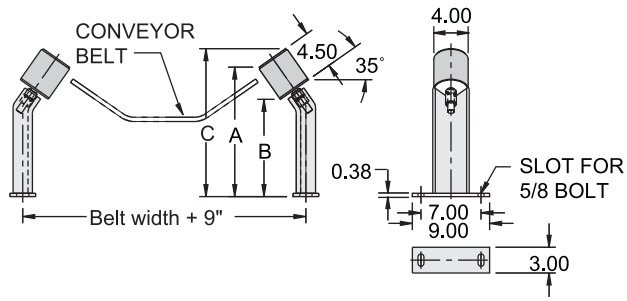
D3600 replacement rolls

Belt Width	Part Number
–	–
–	–
24	1730-453-J.S
30	1730-453-K.S
36	1730-453-L.S
42	1730-453-M.S
48	1730-453-N.S
54	1730-453-P.S
60	1730-453-S.S
72	1730-453-T.S

side guide idlers

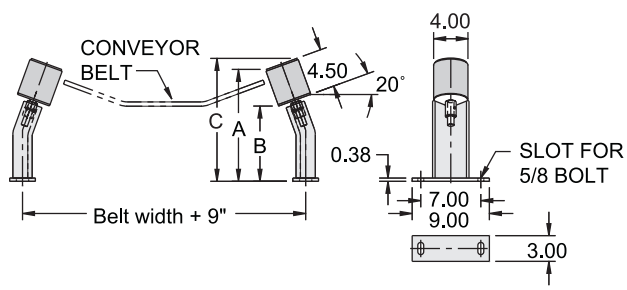
Side guide idlers are mounted at the edges of a conveyor belt to guide the belt and minimize belt edge wear. For smooth, trouble-free operation, these idlers are equipped with precision tapered roller bearings and grease seals.

20°



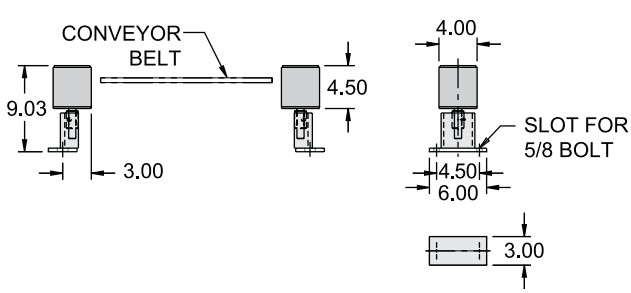
Belt width, inches	Idler number	Weight per pair, pounds	A	B	C
			Inches		
14	T2001	29	11.25	7.00	12.56
16	T2002	29	11.50	7.25	12.81
18	T2003	30	12.38	8.12	13.69
20	T2004	30	12.56	8.31	13.88
24	T2005	31	13.06	8.81	14.38
30	T2006	31	14.06	9.81	15.38
36	T2007	32	15.00	10.75	16.31
42	T2008	32	15.75	11.50	17.06
48	T2009	33	16.69	12.44	18.00
54	T2010	33	17.19	12.94	18.50
60	T2011	34	18.12	13.88	19.44
72	T2012	35	19.44	15.19	20.75

35°

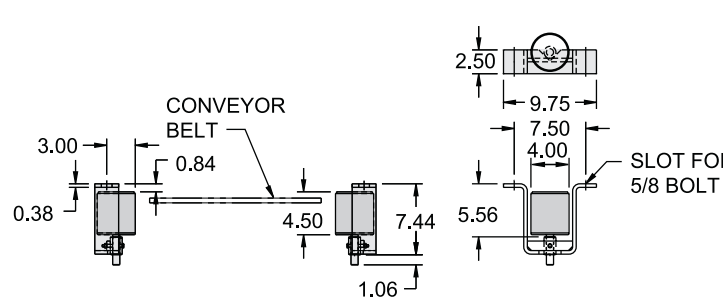


Belt width, inches	Idler number	Weight per pair, pounds	A	B	C
			Inches		
14	T3501	31	12.38	8.56	14.50
16	T3502	31	12.69	9.00	14.81
18	T3503	32	14.00	10.25	16.12
20	T3504	32	14.38	10.56	16.50
24	T3505	33	15.12	11.31	17.25
30	T3506	34	16.62	12.88	18.75
36	T3507	35	17.81	14.06	19.94
42	T3508	36	19.25	15.50	21.38
48	T3509	37	20.25	16.50	22.38
54	T3510	38	21.44	17.69	23.56
60	T3511	39	22.62	18.81	24.75
72	T3512	42	25.19	21.44	27.31

Model Number F-1 for flat idlers

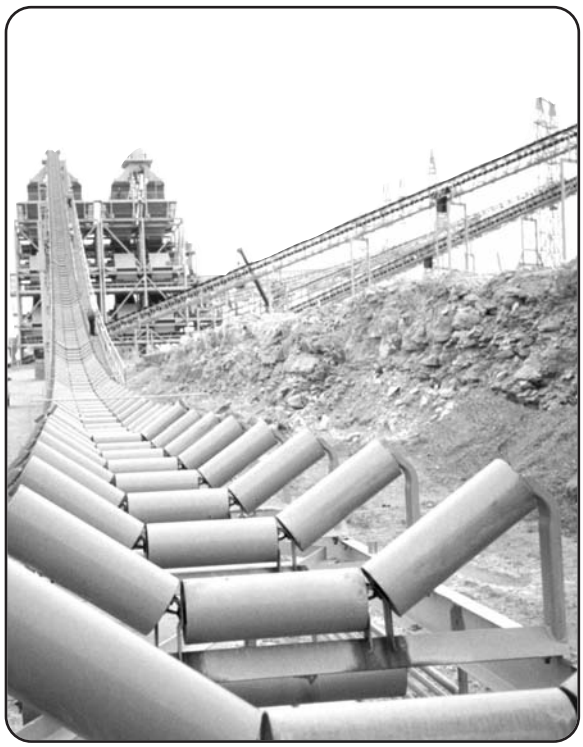


Model Number R-1 for return idlers



Dimensions subject to change without notice. Certified prints are available upon request.

scale idlers

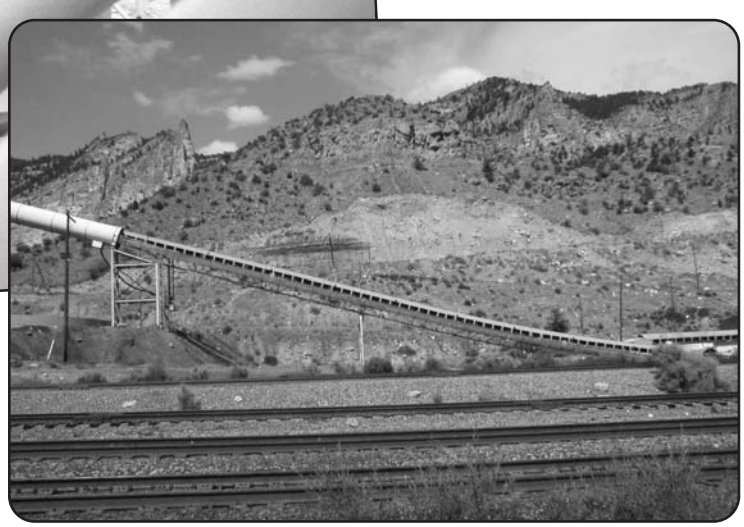


Link-Belt scale idlers are used in conjunction with mechanical-type weighing devices. They are available in CEMA D and E series for 20°, 35° or 45° troughing installations. In order to prevent load shift and obtain weighing accuracy, these idlers are fabricated to rigid belt scale manufacturers specifications:

Roll run-out does not exceed .015" T.I.R. Footstraps are within .015" of flat surface. Axis of rolls is ± .031" from perpendicular through center of base. Backing dimension of center roll is +.000" -.125". End bracket is perpendicular to base 90°± 1°. Troughing angle is template checked.

All rolls are factory lubricated and "sealed for life". For further specifications and dimensions, contact your nearest FMC Technologies Territory Manager.

When ordering scale quality idlers denote "W" in the FMC Technologies model number (example: D7628W-36).



CEMA series E4000 idlers

Frames

- Inverted angle frame base with slotted foot straps to ensure quick, easy mounting and alignment
- Heavy-duty, die-formed, steel end brackets are contoured for generous clearance to safeguard against spilled materials becoming jammed and impeding the rotation of the rollers
- All idler frames are welded in accordance with AWS D1.1 specifications for structural welds

Seal

- The outer adjusting nuts are zinc plated, machined steel, to minimize corrosion
- Rubber triple lip contact seal paired with a nylon deflector nut with integrated labyrinth seal for robust, redundant sealing capability
- Seal works well in dusty conditions and wash down environments

Coatings

- Frames and rolls are powder-coated (see page 98 for details)
- Assembly hardware is electro-zinc plated

CEMA

- Idlers meet or exceed CEMA requirements for rugged, continuous material handling
- Multiple belt widths and models available to meet your needs

Roll Thickness

- 6” diameter = 8 ga (.165) / .250” is available
- 7” diameter = .250”

Testing Capabilities

- Load rating
- Seals
- Roll concentricity
- Roll resistance
- Roll imbalance
- Water resistance

One of the following letter suffixes may sometimes be necessary to complete an idler description:

P - Polyethylene rolls

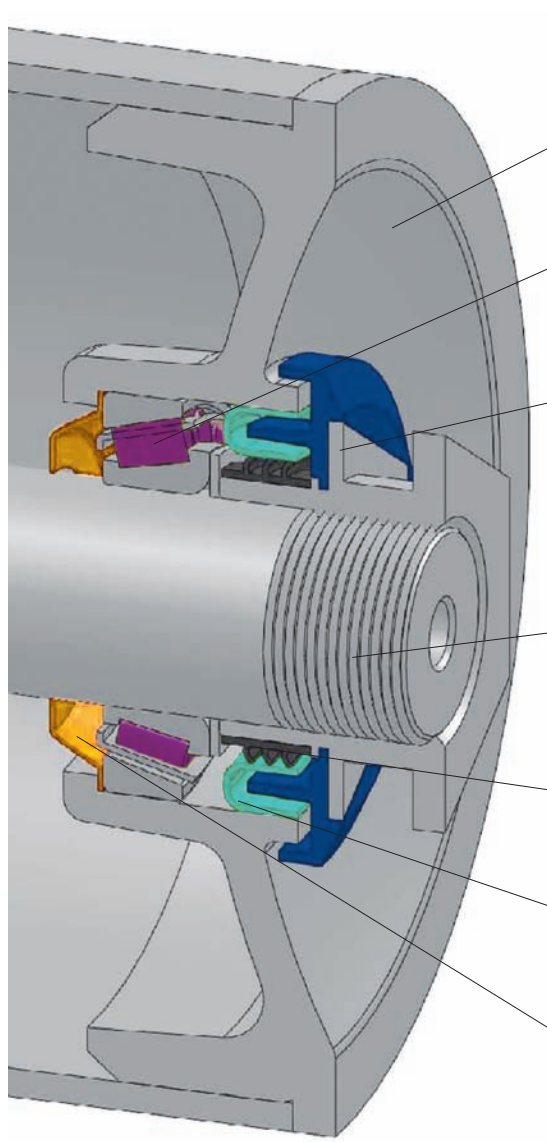
R - Rubber lagged impact or rubber tread rolls

RC - Rubber lagged impact center roll

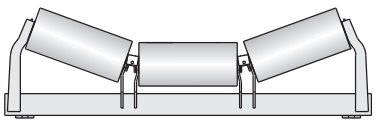
W - Scale idler

U - Urethane coated or lagged rolls

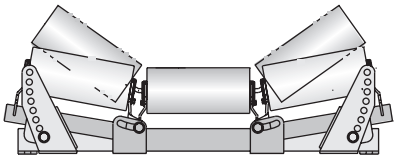
GAL - Galvanized frame


Cast ductile iron head
High capacity precision tapered roller bearing
Deflector nut with nylon shield
Solid steel idler shaft
Rubber triple lip contact seal
Zinc plated middle seal
Non-contact rear seal

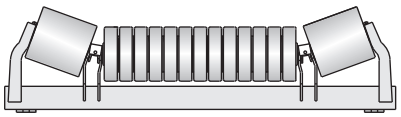
carrying idler types



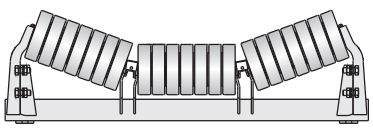
Troughed belt idlers for general carrying service are available with roll inclinations of 20˚, 35˚, and 45˚.



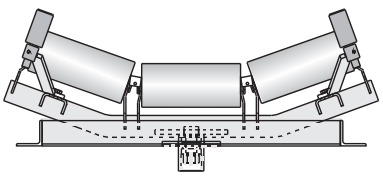
Variable troughed belt idlers placed between the final troughing idler and the head pulley, support the belt during its transition from a concave to a flat contour. The end rolls can be adjusted vertically to match the changing contour of the belt during this critical period of transition. Standard design features steel rolls. Also available with all rubber cushion rolls or rubber cushion center roll and steel end rolls.



Troughed belt picking and feeder conveyor idlers carry the load in a wide, thin layer where picking and sorting are required or where a shallow bed of material is required to minimize degradation. Standard design features rubber cushion center roll and steel end rolls. Also available with all steel or all rubber cushion rolls.



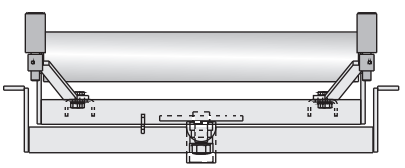
Troughed belt rubber cushion idlers protect the belt by absorbing impacts at loading and transfer points. Design features include removable end brackets on 35˚ and 45˚ idlers.



Troughed belt training idlers automatically train belts and protect belt edges from damage caused by misalignment. Positive action type for belts operating in one direction; actuating shoe type for two directional operation (reversing).

Flat belt idlers are used for handling bulk materials such as prepared foundry sand and undelinted cotton seed where it is desirable to plow off material at one or more intermediate points along the conveyor. Also used for pulpwood logs, packages, picking and sorting conveyors.

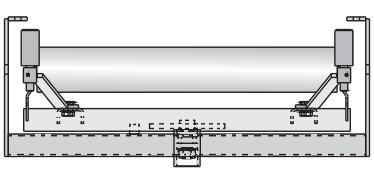
Flat belt rubber cushion idlers protect the belt by absorbing impacts at loading and transfer points. Fixed shaft type is for average service.



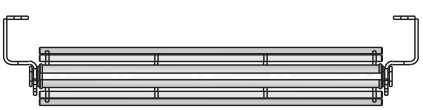
Flat belt training idlers automatically train belts and protect belt edges from damage caused by misalignment. Available in the positive action type for belts operating in one direction.

return idler types

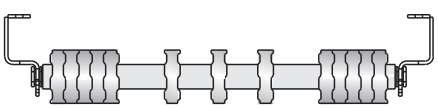
Return belt idlers carry the empty belt on the return run. Available with a urethane coating on standard steel rollers.



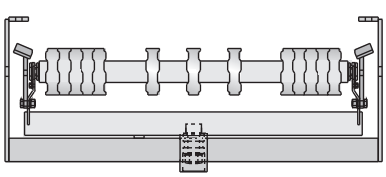
Return belt training idlers train the belt and protect its edges from damage caused by misalignment. Positive action type for belts operating in one direction. Actuating shoe type for reversing belts.



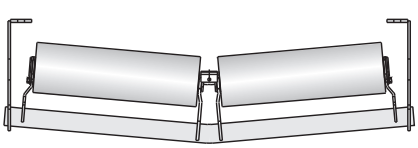
Return belt beater idlers remove excessive amounts of tenacious materials that adhere to the belt.



Return belt rubber tread idlers are used when wet or sticky materials tend to cling to the belt, where corrosion resistance is required or where chemical reaction to iron or steel is involved. Available with urethane treads.



Return rubber tread training idlers train the belt and protect its edges from damage caused by misalignment. Used when wet or sticky materials tend to cling to the belt, where corrosion resistance is required or where chemical attraction to iron or steel is involved. Positive action type for belts operating in one direction. Actuating shoe type for reversing belts.



Rigid frame v-return idlers provide a means of training the return belt, with the added benefit of additional carrying load capacity. Rigid v-returns can be adjusted using slotted bolt holes in the end brackets of the frame to aid in proper belt training.

CEMA E idlers of every type to meet your specific needs…

FMC Model Number	Page	CEMA E	5°	10°	15°	20°	35°	45°	10-35° variable
4601S / 4701S	50	36” - 96”				●			
4602S / 4702S	58	36” - 96”						●	
4604S / 4704S	51	36” - 96”				●			
4605S / 4705S	60	36” - 72”				●			
4605RCS / 4705RCS	61	36” - 72”				●			
4606S / 4706S	62	36” - 96”							●
4607S / 4707S	52	36” - 72”				●			
4608S / 4708S	53	36” - 72”				●			
4613S / 4713S	63	36” - 96”							
4613LS / 4713LS	64	36” - 96”							
4614S / 4714S	67	36” - 72”							
4615S / 4715S	66	36” - 96”							
4716S	65	36” - 96”							
4617S / 4717S	69	36” - 96”							
4618S / 4718S	70	36” - 96”							
4619S / 4719S	68	36” - 96”							
4620S / 4720S	71	36” - 72”							
4621S / 4721S	72	36” - 72”							
4623S / 4723S	59	36” - 96”						●	
4626S / 4726S	73	36” - 72”							
4627S / 4727S	74	36” - 72”							
4628S / 4728S	54	36” - 96”					●		
4630S / 4730S	55	36” - 96”					●		
4632S / 4732S	56	36” - 72”					●		
4637S / 4737S	57	36” - 72”					●		
4664S / 4764S	75	36” - 102”	●						
4665S / 4765S	76	36” - 102”		●					
4666S / 4766S	77	36” - 102”			●				
4668S / 4768S	78	36” - 102”		●					

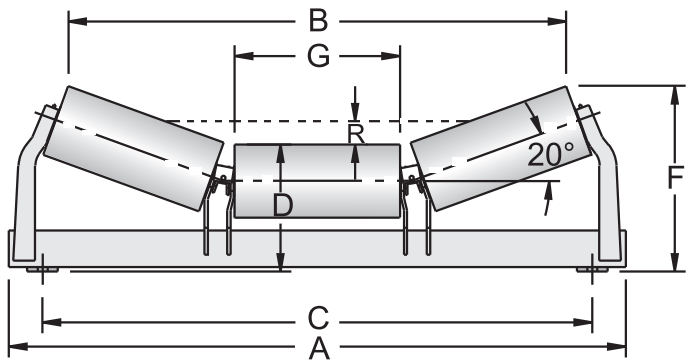
CAUTION: Link-Belt Conveyor idlers must be installed, operated and maintained in accordance with accompanying FMC Technologies Service Instructions. Failure to follow these instructions can result in serious personal injury, property damage or both.

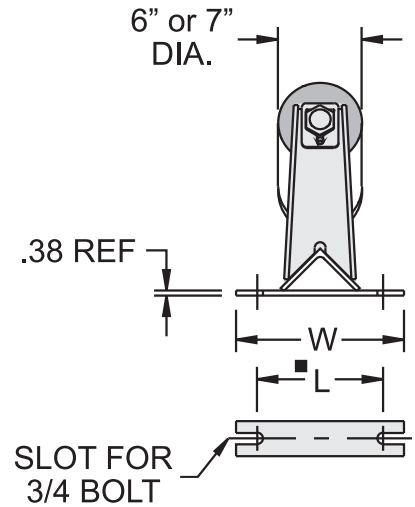
FMC Technologies Service Instructions are available for download at www.fmctechnologies.com/materialhandling.

Flat Carrying	Return	V Return	Training Positive	Training Reversing	Picking & Feeding	Live Shaft	Steel	Rubber Cushion (Impact)	Rubber Tread
							●		
							●		
								●	
					●		●		
					●			● (center)	
							●		
			●				●		
				●			●		
●							●		
●						●	●		
●			●				●		
●								●	
●						●		●	
	●						●		
	●								●
	●						●		
	●		●				●		
	●		●						●
								●	
	●			●			●		
	●			●					●
							●		
								●	
			●				●		
				●			●		
		●					●		
		●					●		
		●					●		
		●							●

20° troughed belt idlers equal length rolls

steel rolls





CEMA E

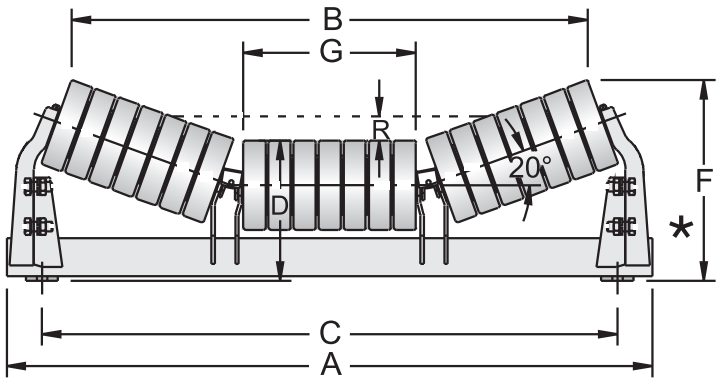
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9”)			Wide Base (Belt width + 15”)			B	D	F	G	L	R**	W
			Idler weight, pounds	A	C	Idler weight, pounds	A	C	Inches						
36	6”	E4601S-36	143	50.50	45.00	145	53.50	51.00	40.81	10.44	15.25	13.56	9.00	1.88	12.00
	7”	E4701S-36	172	50.50	45.00	174	53.50	51.00	40.50	10.94	15.69	13.56	9.00	1.88	12.00
42	6”	E4601S-42	160	56.00	51.00	162	59.50	57.00	46.56	10.44	15.94	15.56	9.00	2.19	12.00
	7”	E4701S-42	193	56.00	51.00	195	59.50	57.00	46.25	10.94	16.38	15.56	9.00	2.19	12.00
48	6”	E4601S-48	173	62.00	57.00	175	65.50	63.00	52.31	10.44	16.62	17.56	9.00	2.56	12.00
	7”	E4701S-48	211	62.00	57.00	214	65.50	63.00	52.00	10.94	17.06	17.56	9.00	2.56	12.00
54	6”	E4601S-54	190	68.00	63.00	192	71.50	69.00	58.25	10.44	17.31	19.62	9.00	2.88	12.00
	7”	E4701S-54	231	68.00	63.00	233	71.50	69.00	57.88	10.94	17.75	19.62	9.00	2.88	12.00
60	6”	E4601S-60	204	74.00	69.00	206	77.50	75.00	63.31	10.44	17.94	21.38	9.00	3.25	12.00
	7”	E4701S-60	247	74.00	69.00	249	77.50	75.00	63.00	10.94	18.38	21.38	9.00	3.25	12.00
72	6”	E4601S-72	248	86.00	81.00	251	89.50	87.00	74.50	11.12	19.94	25.25	9.00	3.94	12.00
	7”	E4701S-72	299	86.00	81.00	302	89.50	87.00	74.12	11.62	20.38	25.25	9.00	3.94	12.00
84	6”	E4601S-84	323	98.00	93.00	327	101.50	99.00	86.00	11.88	22.06	29.25	11.50	4.62	14.50
	7”	E4701S-84	379	98.00	93.00	383	101.50	99.00	85.62	12.38	22.50	29.25	11.50	4.62	14.50
96	6”	E4601S-96	360	110.00	105.00	364	113.50	111.00	97.50	11.88	23.44	33.25	11.50	5.31	14.50
	7”	E4701S-96	424	110.00	105.00	428	113.50	111.00	97.12	12.38	23.88	33.25	11.50	5.31	14.50

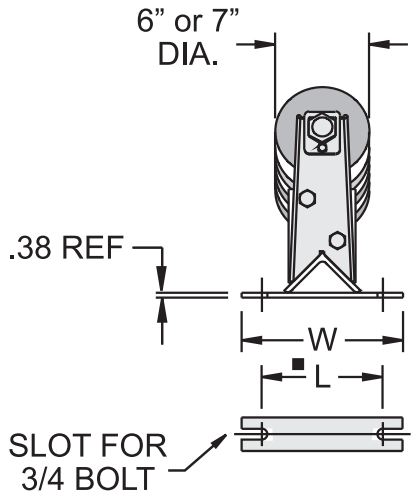
** To top of discharge or bend pulleys, except foot pulley.

■ 10” bolt spacing recommended to permit washer clearance and adjustment.

troughed belt idlers equal length rolls 20°

rubber cushion rolls (impact)





* Demountable end bracket supplied for 36"- 96" belt widths

CEMA E

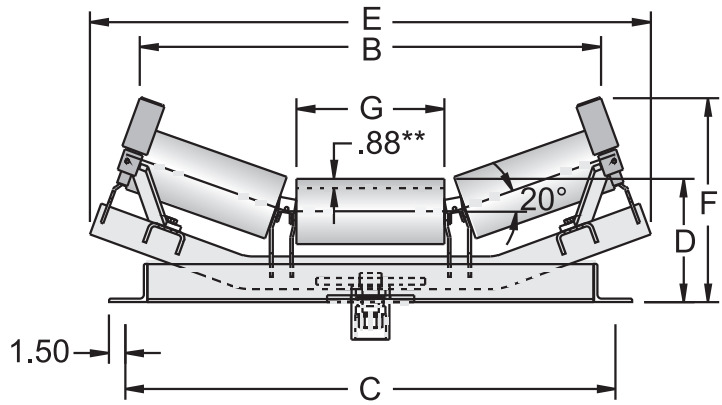
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")			B	D	F	G	L	R**	W
			Idler weight, pounds	A	C	Idler weight, pounds	A	C	Inches						
36	6"	E4604S-36	145	50.50	45.00	148	53.50	51.00	40.69	10.44	15.25	13.50	9.00	1.88	12.00
	7"	E4704S-36	161	50.50	45.00	163	53.50	51.00	40.38	10.94	15.69	13.50	9.00	1.88	12.00
42	6"	E4604S-42	165	56.00	51.00	168	59.50	57.00	46.44	10.44	15.94	15.50	9.00	2.19	12.00
	7"	E4704S-42	183	56.00	51.00	186	59.50	57.00	46.12	10.94	16.38	15.50	9.00	2.19	12.00
48	6"	E4604S-48	182	62.00	57.00	185	65.50	63.00	52.25	10.44	16.62	17.50	9.00	2.56	12.00
	7"	E4704S-48	202	62.00	57.00	205	65.50	63.00	51.88	10.94	17.06	17.50	9.00	2.56	12.00
54	6"	E4604S-54	199	68.00	63.00	202	71.50	69.00	58.12	10.44	17.31	19.56	9.00	2.88	12.00
	7"	E4704S-54	222	68.00	63.00	224	71.50	69.00	57.81	10.94	17.75	19.56	9.00	2.88	12.00
60	6"	E4604S-60	214	74.00	69.00	217	77.50	75.00	63.19	10.44	17.88	21.31	9.00	3.25	12.00
	7"	E4704S-60	239	74.00	69.00	242	77.50	75.00	62.88	10.94	18.38	21.31	9.00	3.25	12.00
72	6"	E4604S-72	265	86.00	81.00	268	89.50	87.00	74.38	11.19	19.94	25.19	9.00	3.94	12.00
	7"	E4704S-72	294	86.00	81.00	297	89.50	87.00	74.00	11.69	20.44	25.19	9.00	3.94	12.00
84	6"	E4604S-84	364	98.00	93.00	369	101.50	99.00	85.88	11.94	22.06	29.19	11.50	4.62	14.50
	7"	E4704S-84	397	98.00	93.00	403	101.50	99.00	85.56	12.44	22.50	29.19	11.50	4.62	14.50
96	6"	E4604S-96	407	110.00	105.00	412	113.50	111.00	97.38	11.94	23.44	33.19	11.50	5.31	14.50
	7"	E4704S-96	444	110.00	105.00	450	113.50	111.00	97.06	12.44	23.88	33.19	11.50	5.31	14.50

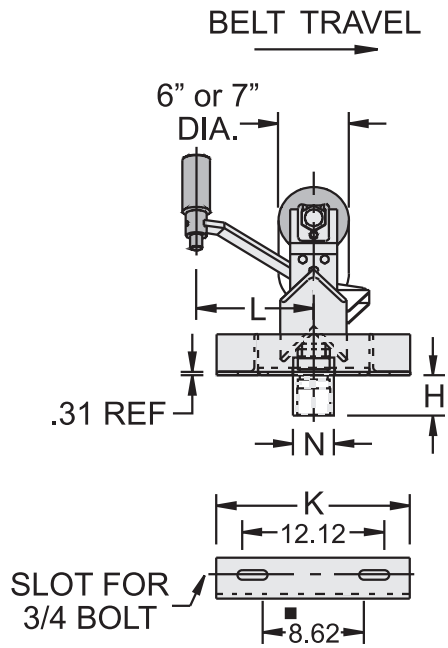
** To top of discharge or bend pulleys, except foot pulley.

■ 10" bolt spacing recommended to permit washer clearance and adjustment. (12.5" for 84" and 96" belt widths.)

20° troughed belt training idlers equal length rolls

positive action type
(above deck mounting)



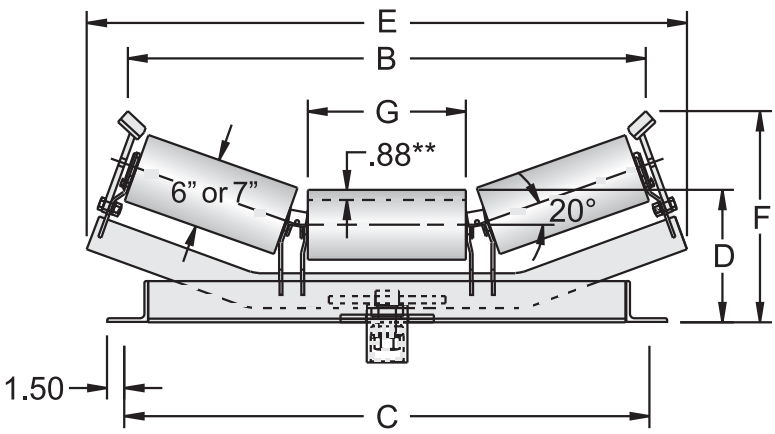


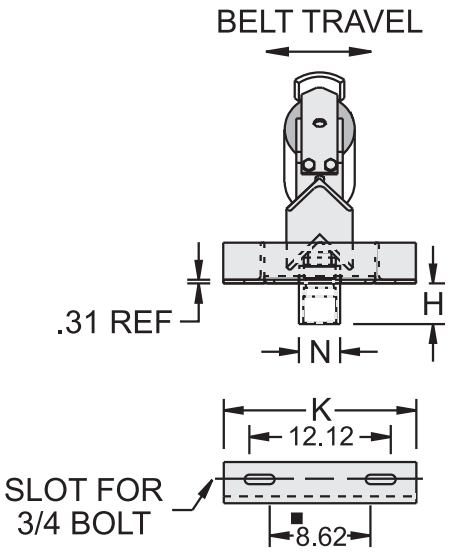
CEMA E

Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	E	F	G	H	K	L	N
			Idler weight, pounds	C	Idler weight, pounds	C	Inches								
36	6"	E4607S-36	268	45.00	271	51.00	42.31	11.31	51.25	18.69	13.56	3.69	16.50	10.00	3.50
	7"	E4707S-36	300	45.00	303	51.00	42.31	11.81	51.25	18.69	13.56	3.69	16.50	10.00	3.50
42	6"	E4607S-42	296	51.00	300	57.00	48.06	11.31	57.00	19.38	15.56	3.69	16.50	10.00	3.50
	7"	E4707S-42	330	51.00	334	57.00	48.06	11.81	57.00	19.38	15.56	3.69	16.50	10.00	3.50
48	6"	E4607S-48	323	57.00	327	63.00	53.81	11.31	62.75	20.06	17.56	3.69	16.50	10.00	3.50
	7"	E4707S-48	362	57.00	366	63.00	53.81	11.81	62.75	20.06	17.56	3.69	16.50	10.00	3.50
54	6"	E4607S-54	353	63.00	357	69.00	59.62	11.31	68.69	20.75	19.62	3.69	16.50	10.00	3.50
	7"	E4707S-54	394	63.00	398	69.00	59.62	11.81	68.69	20.75	19.62	3.69	16.50	10.00	3.50
60	6"	E4607S-60	379	69.00	382	75.00	64.69	11.31	73.75	21.31	21.38	3.69	16.50	10.00	3.50
	7"	E4707S-60	422	69.00	425	75.00	64.69	11.81	73.75	21.31	21.38	3.69	16.50	10.00	3.50
72	6"	E4607S-72	523	81.00	528	87.00	75.88	12.00	85.44	23.31	25.25	4.75	21.50	15.00	5.25
	7"	E4707S-72	574	81.00	579	87.00	75.88	12.50	85.44	23.31	25.25	4.75	21.50	15.00	5.25

** To top of discharge or bend pulleys, except foot pulley.
■ 10" bolt spacing recommended to permit adjustment.

actuating shoe type
(above deck mounting)





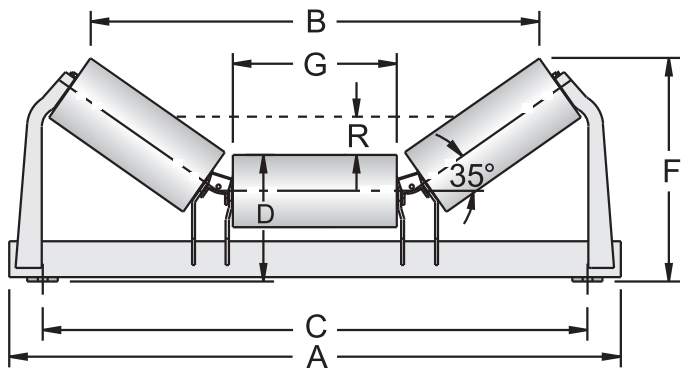
CEMA E

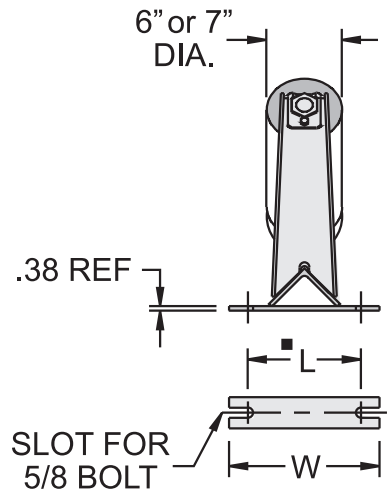
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	E	F	G	H	K	N
			Idler weight, pounds	C	Idler weight, pounds	C	Inches							
36	6"	E4608S-36	244	45.00	247	51.00	44.69	11.31	51.25	17.69	13.56	3.69	16.50	3.50
	7"	E4708S-36	274	45.00	278	51.00	44.31	11.81	51.25	18.19	13.56	3.69	16.50	3.50
42	6"	E4608S-42	269	51.00	273	57.00	50.44	11.31	57.00	18.38	15.56	3.69	16.50	3.50
	7"	E4708S-42	303	51.00	307	57.00	50.12	11.81	57.00	18.81	15.56	3.69	16.50	3.50
48	6"	E4608S-48	292	57.00	296	63.00	56.25	11.31	62.75	19.06	17.56	3.69	16.50	3.50
	7"	E4708S-48	332	57.00	335	63.00	55.88	11.81	62.75	19.50	17.56	3.69	16.50	3.50
54	6"	E4608S-54	319	63.00	323	69.00	62.19	11.31	68.69	19.75	19.62	3.69	16.50	3.50
	7"	E4708S-54	361	63.00	364	69.00	61.81	11.81	68.69	20.25	19.62	3.69	16.50	3.50
60	6"	E4608S-60	343	69.00	346	75.00	67.19	11.31	73.75	20.38	21.38	3.69	16.50	3.50
	7"	E4708S-60	385	69.00	389	75.00	66.88	11.81	73.75	20.88	21.38	3.69	16.50	3.50
72	6"	E4608S-72	481	81.00	486	87.00	78.31	12.00	85.44	22.38	25.25	4.75	21.50	5.25
	7"	E4708S-72	533	81.00	538	87.00	78.00	12.50	85.44	22.88	25.25	4.75	21.50	5.25

** Elevation above adjacent idlers.
■ 10" bolt spacing recommended to permit adjustment.

35° troughed belt idlers equal length rolls

steel rolls





CEMA E

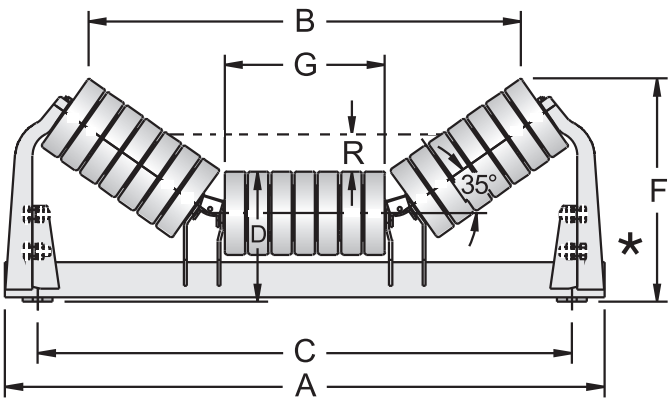
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")			B	D	F	G	L	R**	W
			Idler weight, pounds	A	C	Idler weight, pounds	A	C	Inches						
36	6"	E4628S-36	149	50.50	45.00	151	53.50	51.00	37.06	10.44	18.44	13.56	9.00	3.12	12.00
	7"	E4728S-36	179	50.50	45.00	181	53.50	51.00	36.50	10.94	18.88	13.56	9.00	3.12	12.00
42	6"	E4628S-42	168	56.00	51.00	170	59.50	57.00	42.38	10.44	19.56	15.56	9.00	3.69	12.00
	7"	E4728S-42	199	56.00	51.00	201	59.50	57.00	41.75	10.94	20.00	15.56	9.00	3.69	12.00
48	6"	E4628S-48	181	62.00	57.00	184	65.50	63.00	47.62	10.44	20.75	17.56	9.00	4.31	12.00
	7"	E4728S-48	217	62.00	57.00	220	65.50	63.00	47.06	10.94	21.12	17.56	9.00	4.31	12.00
54	6"	E4628S-54	199	67.00	63.00	202	71.50	69.00	53.06	10.44	21.94	19.62	9.00	4.88	12.00
	7"	E4728S-54	241	67.00	63.00	244	71.50	69.00	52.50	10.94	22.31	19.62	9.00	4.88	12.00
60	6"	E4628S-60	213	71.75	69.00	217	77.50	75.00	57.75	10.44	22.94	21.38	9.00	5.44	12.00
	7"	E4728S-60	257	71.75	69.00	261	77.50	75.00	57.12	10.94	23.31	21.38	9.00	5.44	12.00
72	6"	E4628S-72	260	83.50	81.00	265	89.50	87.00	67.94	11.12	25.81	25.25	9.00	6.62	12.00
	7"	E4728S-72	310	83.50	81.00	315	89.50	87.00	67.38	11.62	26.25	25.25	9.00	6.62	12.00
84	6"	E4628S-84	337	95.50	93.00	344	101.50	99.00	78.44	11.88	28.88	29.25	11.50	7.81	14.50
	7"	E4728S-84	392	95.50	93.00	399	101.50	99.00	77.88	12.38	29.31	29.25	11.50	7.81	14.50
96	6"	E4628S-96	378	107.50	105.00	385	113.50	111.00	89.00	11.88	31.19	33.25	11.50	8.94	14.50
	7"	E4728S-96	439	107.50	105.00	446	113.50	111.00	88.44	12.38	31.56	33.25	11.50	8.94	14.50

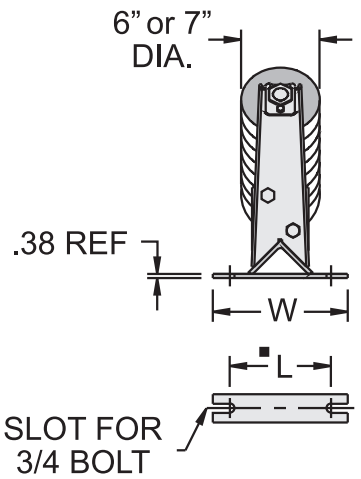
** To top of discharge or bend pulleys, except foot pulley.

■ 10" bolt spacing recommended to permit washer clearance and adjustment. (12.5" for 84" and 96" belt widths.)

troughed belt idlers equal length rolls 35°

rubber cushion rolls (impact)





* Demountable end bracket supplied for 36"- 96" belt widths

CEMA E

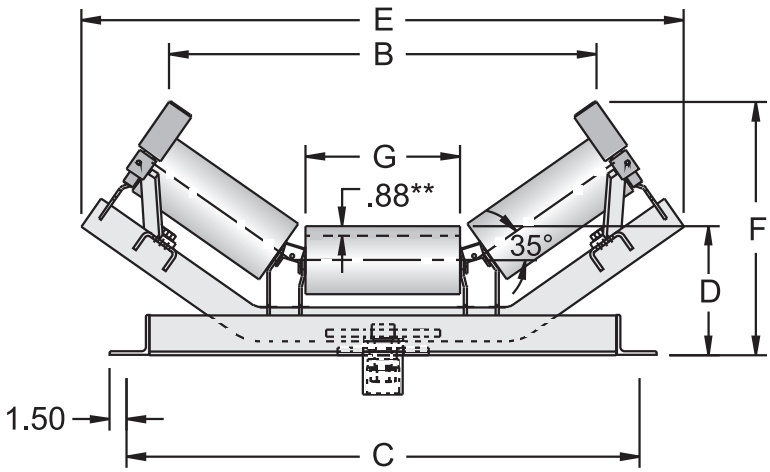
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")			B	D	F	G	L	R**	W
			Idler weight, pounds	A	C	Idler weight, pounds	A	C	Inches						
36	6"	E4630S-36	160	50.50	45.00	163	53.50	51.00	37.00	10.44	18.44	13.50	9.00	3.12	12.00
	7"	E4730S-36	176	50.50	45.00	178	53.50	51.00	36.44	10.94	18.81	13.50	9.00	3.12	12.00
42	6"	E4630S-42	181	56.00	51.00	184	59.50	57.00	42.31	10.44	19.56	15.50	9.00	3.75	12.00
	7"	E4730S-42	199	56.00	51.00	202	59.50	57.00	41.69	10.94	20.00	15.50	9.00	3.75	12.00
48	6"	E4630S-48	199	62.00	57.00	203	65.50	63.00	47.56	10.44	20.75	17.50	9.00	4.31	12.00
	7"	E4730S-48	219	62.00	57.00	223	65.50	63.00	47.00	10.94	21.12	17.50	9.00	4.31	12.00
54	6"	E4630S-54	217	67.00	63.00	221	71.50	69.00	53.00	10.44	21.88	19.56	9.00	4.88	12.00
	7"	E4730S-54	240	67.00	63.00	243	71.50	69.00	52.44	10.94	22.31	19.56	9.00	4.88	12.00
60	6"	E4630S-60	233	71.75	69.00	238	77.50	75.00	57.62	10.44	22.88	21.31	9.00	5.44	12.00
	7"	E4730S-60	258	71.75	69.00	262	77.50	75.00	57.06	10.94	23.31	21.31	9.00	5.44	12.00
72	6"	E4630S-72	285	83.50	81.00	291	89.50	87.00	67.88	11.19	25.81	25.19	9.00	6.62	12.00
	7"	E4730S-72	314	83.50	81.00	320	89.50	87.00	67.31	11.69	26.25	25.19	9.00	6.62	12.00
84	6"	E4630S-84	376	95.50	93.00	385	101.50	99.00	78.44	11.94	28.88	29.19	11.50	7.75	14.50
	7"	E4730S-84	409	95.50	93.00	419	101.50	99.00	77.81	12.44	29.31	29.19	11.50	7.75	14.50
96	6"	E4630S-96	421	107.50	105.00	430	113.50	111.00	88.94	11.94	31.19	33.19	11.50	8.94	14.50
	7"	E4730S-96	458	107.50	105.00	468	113.50	111.00	88.38	12.44	31.56	33.19	11.50	8.94	14.50

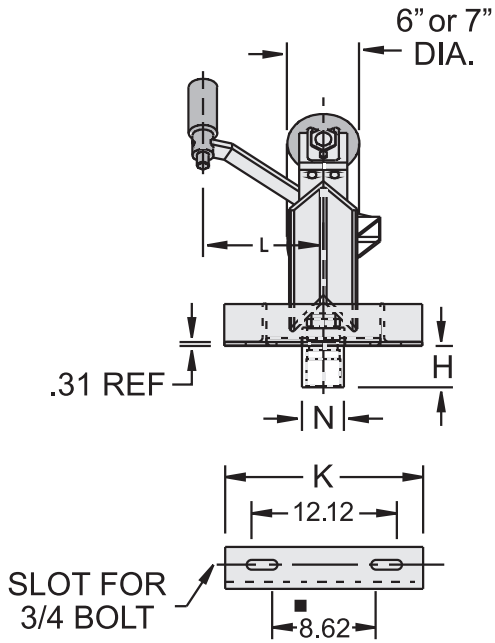
** To top of discharge or bend pulleys, except foot pulley.

■ 10" bolt spacing recommended to permit washer clearance and adjustment. (12.5" for 84" and 96" belt widths.)

35° troughed belt training idlers equal length rolls

positive action type
(above deck mounting)





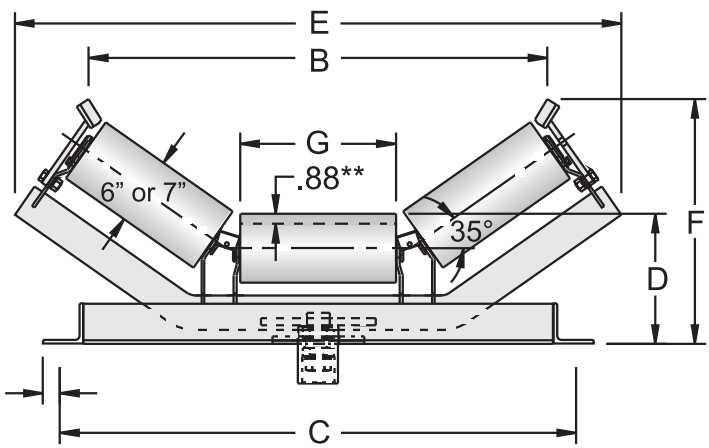
CEMA E

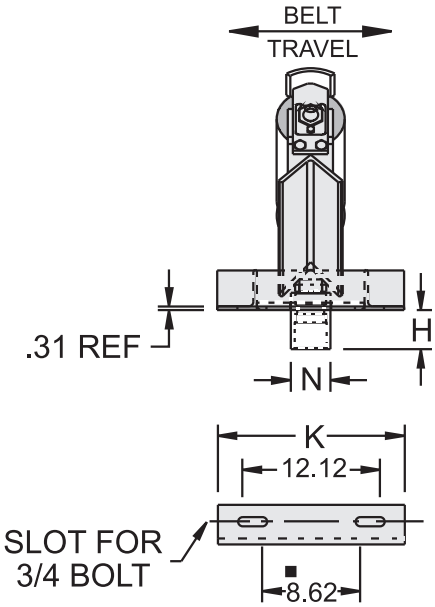
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	E	F	G	H	K	L	N
			Idler weight, pounds	C	Idler weight, pounds	C	Inches								
36	6"	E4632S-36	261	45.00	264	51.00	37.62	11.31	52.25	22.12	13.56	3.69	16.50	10.00	3.50
	7"	E4732S-36	291	45.00	295	51.00	37.62	11.81	52.25	22.12	13.56	3.69	16.50	10.00	3.50
42	6"	E4632S-42	287	51.00	291	57.00	42.94	11.31	57.50	23.25	15.56	3.69	16.50	10.00	3.50
	7"	E4732S-42	320	51.00	324	57.00	42.94	11.81	57.50	23.25	15.56	3.69	16.50	10.00	3.50
48	6"	E4632S-48	310	57.00	314	63.00	48.06	11.31	62.81	24.38	17.56	3.69	16.50	10.00	3.50
	7"	E4732S-48	349	57.00	352	63.00	48.06	11.81	62.81	24.38	17.56	3.69	16.50	10.00	3.50
54	6"	E4632S-54	337	63.00	341	69.00	53.50	11.31	68.25	25.56	19.62	3.69	16.50	10.00	3.50
	7"	E4732S-54	379	63.00	382	69.00	53.50	11.81	68.25	25.56	19.62	3.69	16.50	10.00	3.50
60	6"	E4632S-60	356	69.00	359	75.00	58.19	11.31	72.88	26.56	21.38	3.69	16.50	10.00	3.50
	7"	E4732S-60	399	69.00	403	75.00	58.19	11.81	72.88	26.56	21.38	3.69	16.50	10.00	3.50
72	6"	E4632S-72	495	81.00	500	87.00	68.38	12.00	83.88	29.44	25.25	4.75	21.50	15.00	5.25
	7"	E4732S-72	546	81.00	551	87.00	68.38	12.50	83.88	29.44	25.25	4.75	21.50	15.00	5.25

** Elevation above adjacent idlers.
■ 10" bolt spacing recommended to permit adjustment.

troughed belt training idlers equal length rolls 35°

actuating shoe type
(above deck mounting)





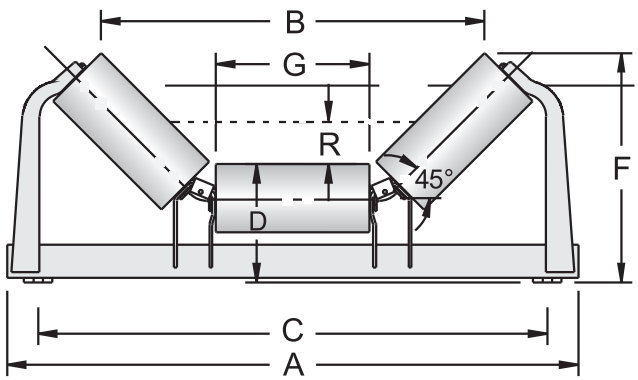
CEMA E

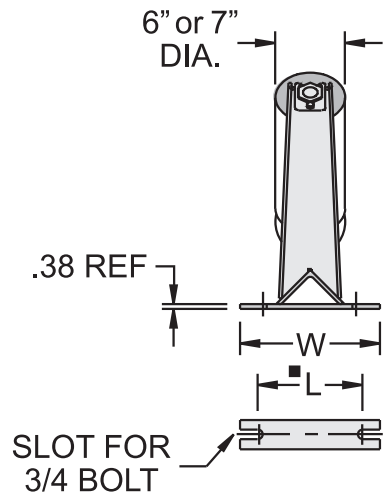
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	D	E	F	G	H	K	N
			Idler weight, pounds	C	Idler weight, pounds	C	Inches							
36	6"	E4637S-36	248	45.00	251	51.00	40.00	11.31	52.25	21.31	13.56	3.69	16.50	3.50
	7"	E4737S-36	278	45.00	282	51.00	39.44	11.81	52.25	21.75	13.56	3.69	16.50	3.50
42	6"	E4637S-42	273	51.00	277	57.00	45.25	11.31	57.50	22.44	15.56	3.69	16.50	3.50
	7"	E4737S-42	307	51.00	311	57.00	44.69	11.81	57.50	22.88	15.56	3.69	16.50	3.50
48	6"	E4637S-48	297	57.00	301	63.00	50.56	11.31	62.81	23.62	17.56	3.69	16.50	3.50
	7"	E4737S-48	336	57.00	339	63.00	49.94	11.81	62.81	24.00	17.56	3.69	16.50	3.50
54	6"	E4637S-54	324	63.00	328	69.00	56.00	11.31	68.25	24.81	19.62	3.69	16.50	3.50
	7"	E4737S-54	365	63.00	368	69.00	55.38	11.81	68.25	25.19	19.62	3.69	16.50	3.50
60	6"	E4637S-60	343	69.00	346	75.00	60.62	11.31	72.88	25.81	21.38	3.69	16.50	3.50
	7"	E4737S-60	385	69.00	389	75.00	60.06	11.81	72.88	26.19	21.38	3.69	16.50	3.50
72	6"	E4637S-72	481	81.00	486	87.00	70.81	12.00	83.88	28.69	25.25	4.75	21.50	5.25
	7"	E4737S-72	533	81.00	538	87.00	70.25	12.50	83.88	29.12	25.25	4.75	21.50	5.25

** Elevation above adjacent idlers.
■ 10" bolt spacing recommended to permit adjustment.

45° troughed belt idlers equal length rolls

steel rolls





CEMA E

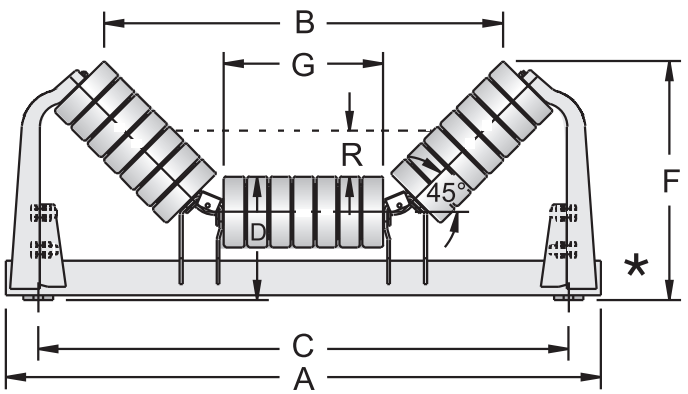
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")			B	D	F	G	L	R**	W
			Idler weight, pounds	A	C	Idler weight, pounds	A	C	Inches						
36	6"	E4602S-36	151	50.50	45.00	153	53.50	51.00	33.88	10.44	20.25	13.56	9.00	3.88	12.00
	7"	E4702S-36	181	50.50	45.00	183	53.50	51.00	33.19	10.94	20.62	13.56	9.00	3.88	12.00
42	6"	E4602S-42	171	56.00	51.00	173	59.50	57.00	38.62	10.44	21.69	15.56	9.00	4.62	12.00
	7"	E4702S-42	202	56.00	51.00	204	59.50	57.00	37.88	10.94	22.00	15.56	9.00	4.62	12.00
48	6"	E4602S-48	184	62.00	57.00	186	65.50	63.00	43.44	10.44	23.06	17.56	9.00	5.31	12.00
	7"	E4702S-48	223	62.00	57.00	225	65.50	63.00	42.75	10.94	23.44	17.56	9.00	5.31	12.00
54	6"	E4602S-54	201	65.50	63.00	205	71.50	69.00	48.50	10.44	24.50	19.62	9.00	6.00	12.00
	7"	E4702S-54	243	65.50	63.00	247	71.50	69.00	47.75	10.94	24.88	19.62	9.00	6.00	12.00
60	6"	E4602S-60	218	71.50	69.00	222	77.50	75.00	52.69	10.44	25.75	21.38	9.00	6.75	12.00
	7"	E4702S-60	262	71.50	69.00	266	77.50	75.00	52.00	10.94	26.12	21.38	9.00	6.75	12.00
72	6"	E4602S-72	265	83.50	81.00	270	89.50	87.00	62.00	11.12	29.19	25.25	9.00	8.19	12.00
	7"	E4702S-72	315	83.50	81.00	320	89.50	87.00	61.31	11.62	29.56	25.25	9.00	8.19	12.00
84	6"	E4602S-84	338	95.50	93.00	345	101.50	99.00	71.69	11.88	32.75	29.25	11.50	9.62	14.50
	7"	E4702S-84	396	95.50	93.00	403	101.50	99.00	71.00	12.38	33.12	29.25	11.50	9.62	14.50
96	6"	E4602S-96	379	107.50	105.00	386	113.50	111.00	81.31	11.88	35.56	33.25	11.50	11.00	14.50
	7"	E4702S-96	444	107.50	105.00	451	113.50	111.00	80.62	12.38	35.94	33.25	11.50	11.00	14.50

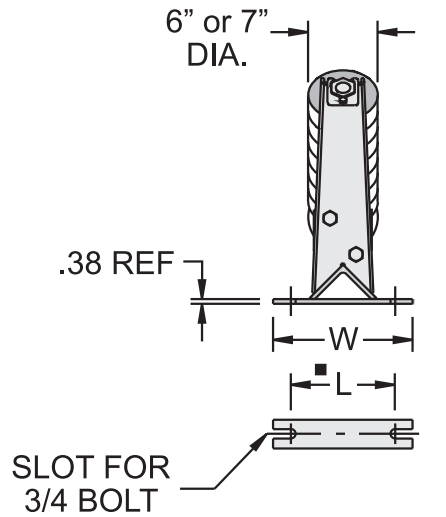
** To top of discharge or bend pulleys, except foot pulley.

■ 10" bolt spacing recommended to permit washer clearance and adjustment. (12.5" for 84" and 96" belt widths.)

troughed belt idlers equal length rolls 45°

rubber cushion rolls (impact)





* Demountable end bracket supplied for 36”- 96” belt widths

CEMA E

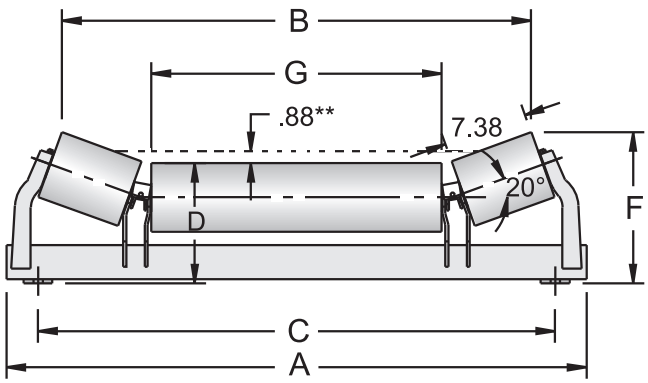
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9”)			Wide Base (Belt width + 15”)			B	D	F	G	L	R**	W
			Idler weight, pounds	A	C	Idler weight, pounds	A	C	Inches						
36	6”	E4623S-36	164	50.50	45.00	166	53.50	51.00	33.88	10.44	20.25	13.50	9.00	3.88	12.00
	7”	E4723S-36	180	50.50	45.00	182	53.50	51.00	33.12	10.94	20.62	13.50	9.00	3.88	12.00
42	6”	E4623S-42	186	56.00	51.00	189	59.50	57.00	38.56	10.44	21.69	15.50	9.00	4.62	12.00
	7”	E4723S-42	204	56.00	51.00	207	59.50	57.00	37.88	10.94	22.00	15.50	9.00	4.62	12.00
48	6”	E4623S-48	204	62.00	57.00	207	65.50	63.00	43.44	10.44	23.06	17.50	9.00	5.31	12.00
	7”	E4723S-48	224	62.00	57.00	227	65.50	63.00	42.69	10.94	23.44	17.50	9.00	5.31	12.00
54	6”	E4623S-54	223	65.50	63.00	228	71.50	69.00	48.44	10.44	24.50	19.56	9.00	6.00	12.00
	7”	E4723S-54	246	65.50	63.00	251	71.50	69.00	47.75	10.94	24.88	19.56	9.00	6.00	12.00
60	6”	E4623S-60	240	71.50	69.00	245	77.50	75.00	52.62	10.44	25.75	21.31	9.00	6.75	12.00
	7”	E4723S-60	265	71.50	69.00	270	77.50	75.00	51.94	10.94	26.12	21.31	9.00	6.75	12.00
72	6”	E4623S-72	293	83.50	81.00	299	89.50	87.00	62.00	11.19	29.25	25.19	9.00	8.19	12.00
	7”	E4723S-72	322	83.50	81.00	328	89.50	87.00	61.25	11.69	29.56	25.19	9.00	8.19	12.00
84	6”	E4623S-84	396	95.50	93.00	406	101.50	99.00	71.69	11.94	32.81	29.19	11.50	9.62	14.50
	7”	E4723S-84	429	95.50	93.00	439	101.50	99.00	70.94	12.44	33.12	29.19	11.50	9.62	14.50
96	6”	E4623S-96	444	107.50	105.00	454	113.50	111.00	81.31	11.94	35.62	33.19	11.50	11.00	14.50
	7”	E4723S-96	482	107.50	105.00	492	113.50	111.00	80.62	12.44	36.00	33.19	11.50	11.00	14.50

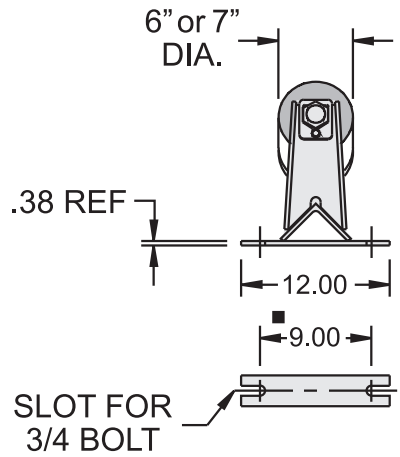
** To top of discharge or bend pulleys, except foot pulley.

■ 10” bolt spacing recommended to permit washer clearance and adjustment. (12.5” for 84” and 96” belt widths.)

20° troughed belt picking & feeder conveyor idlers

steel rolls





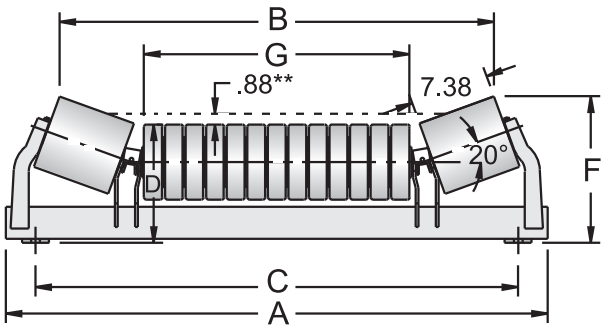
CEMA E

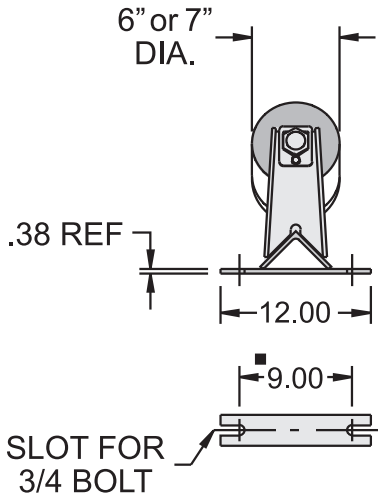
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")			B	D	F	G
			Idler weight, pounds	A	C	Idler weight, pounds	A	C	Inches			
36	6"	E4605S-36	131	50.50	45.00	133	53.50	51.00	40.81	10.44	13.12	25.25
	7"	E4705S-36	159	50.50	45.00	161	53.50	51.00	40.50	10.94	13.56	25.25
42	6"	E4605S-42	145	56.00	51.00	147	59.50	57.00	46.69	10.44	13.12	31.12
	7"	E4705S-42	177	56.00	51.00	179	59.50	57.00	46.38	10.94	13.56	31.12
48	6"	E4605S-48	159	62.00	57.00	162	65.50	63.00	52.69	10.44	13.12	37.12
	7"	E4705S-48	195	62.00	57.00	198	65.50	63.00	52.38	10.94	13.56	37.10
54	6"	E4605S-54	174	68.00	63.00	176	71.50	69.00	58.69	10.44	13.12	43.12
	7"	E4705S-54	213	68.00	63.00	216	71.50	69.00	58.38	10.94	13.56	43.12
60	6"	E4605S-60	188	74.00	69.00	190	77.50	75.00	64.69	10.44	13.12	49.12
	7"	E4705S-60	232	74.00	69.00	234	77.50	75.00	64.38	10.94	13.56	49.12
72	6"	E4605S-72	232	86.00	81.00	235	89.50	87.00	76.69	11.12	13.81	61.12
	7"	E4705S-72	283	86.00	81.00	286	89.50	87.00	76.38	11.62	14.31	61.12

** To top of discharge or bend pulleys, except foot pulley.

■ 10" bolt spacing recommended to permit washer clearance and adjustment.

steel end rolls with rubber cushion center roll





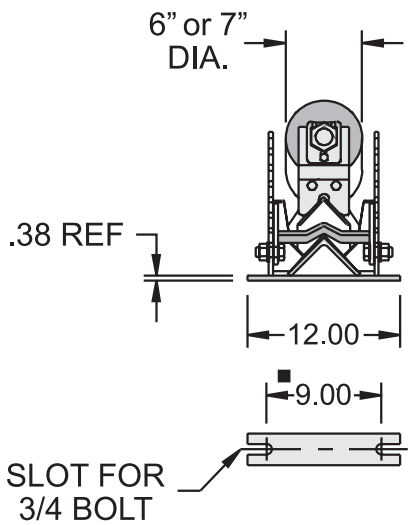
CEMA E

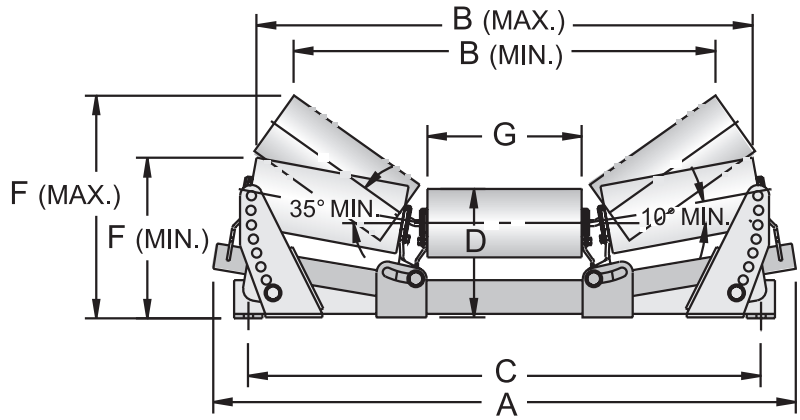
Belt width, inches	Dia.	○ Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")			B	D	F	G
			Idler weight, pounds	A	C	Idler weight, pounds	A	C	Inches			
36	6"	E4605RCS-36	137	50.50	45.00	139	53.50	51.00	40.81	10.44	13.12	25.19
	7"	E4705RCS-36	158	50.50	45.00	160	53.50	51.00	40.50	10.94	13.56	25.19
42	6"	E4605RCS-42	153	56.00	51.00	155	59.50	57.00	46.69	10.44	13.12	31.06
	7"	E4705RCS-42	176	56.00	51.00	178	59.50	57.00	46.38	10.94	13.56	31.06
48	6"	E4605RCS-48	169	62.00	57.00	171	65.50	63.00	52.69	10.44	13.12	37.06
	7"	E4705RCS-48	194	62.00	57.00	197	65.50	63.00	52.38	10.94	13.56	37.06
54	6"	E4605RCS-54	185	68.00	63.00	187	71.50	69.00	58.69	10.44	13.12	43.06
	7"	E4705RCS-54	213	68.00	63.00	215	71.50	69.00	58.38	10.94	13.56	43.06
60	6"	E4605RCS-60	201	74.00	69.00	204	77.50	75.00	64.69	10.44	13.12	49.06
	7"	E4705RCS-60	231	74.00	69.00	233	77.50	75.00	64.38	10.94	13.56	49.06
72	6"	E4605RCS-72	250	86.00	81.00	253	89.50	87.00	76.69	11.12	13.81	61.06
	7"	E4705RCS-72	285	86.00	81.00	288	89.50	87.00	76.38	11.62	14.31	61.06

** To top of discharge or bend pulleys, except foot pulley.
■ 10" bolt spacing recommended to permit washer clearance and adjustment.
○ Available with rubber cushion end rolls; specify suffix RS. Example 4605RS-36.

variable troughed belt idlers
10 - 35° adjustment

steel rolls



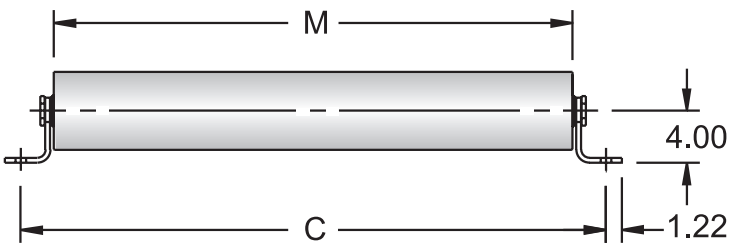


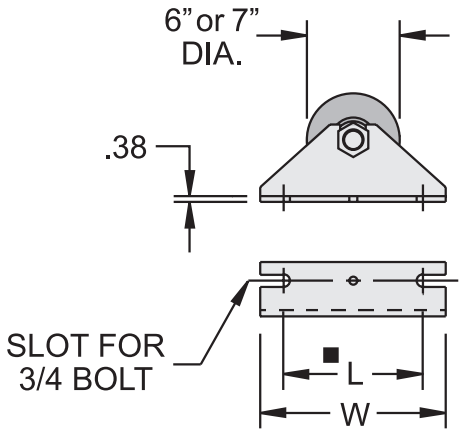
CEMA E

Belt width, inches	Dia.	▼ Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")			B		D	F		G
			Idler weight, pounds	A	C	Idler weight, pounds	A	C	MIN.	MAX.		MIN.	MAX.	
									Inches					
36	6"	E4606S-36	202	51.19	45.00	221	51.19	45.00	36.94	43.62	11.31	14.06	19.56	13.56
	7"	E4706S-36	232	51.19	45.00	235	51.19	45.00	36.38	43.44	11.81	14.56	19.94	13.56
42	6"	E4606S-42	218	57.12	51.00	242	57.12	51.00	42.31	49.56	11.31	14.44	20.69	15.56
	7"	E4706S-42	252	57.12	51.00	255	57.12	51.00	41.75	49.38	11.81	14.94	21.06	15.56
48	6"	E4606S-48	237	63.31	57.00	263	63.31	57.00	47.69	55.69	11.31	14.81	21.94	17.56
	7"	E4706S-48	276	63.31	57.00	279	63.31	57.00	47.12	55.31	11.81	15.37	22.31	17.56
54	6"	E4606S-54	254	69.44	63.00	283	69.44	63.00	53.12	61.75	11.31	15.19	23.12	19.62
	7"	E4706S-54	296	69.44	63.00	300	69.44	63.00	52.50	61.56	11.81	15.69	23.50	19.62
60	6"	E4606S-60	277	74.88	69.00	308	74.88	69.00	57.62	67.06	11.31	15.56	24.06	21.38
	7"	E4706S-60	319	74.88	69.00	324	74.88	69.00	57.06	66.69	11.81	16.06	24.50	21.38
72	6"	E4606S-72	306	86.44	81.00	344	86.44	81.00	67.88	78.56	11.31	16.25	25.25	25.25
	7"	E4706S-72	358	86.44	81.00	363	86.44	81.00	67.31	78.38	11.81	16.75	26.62	25.25
84	6"	E4606S-84	394	97.81	93.00	437	97.81	93.00	78.38	90.00	12.06	17.44	29.06	29.25
	7"	E4706S-84	449	97.81	93.00	455	97.81	93.00	77.81	89.81	12.56	17.94	29.50	29.25
96	6"	E4606S-96	433	109.69	105.00	481	109.69	105.00	88.94	101.88	12.06	18.12	31.31	33.25
	7"	E4706S-96	493	109.69	105.00	499	109.69	105.00	88.38	101.69	12.56	18.62	31.75	33.25

■ 10" bolt spacing recommended to permit washer clearance and adjustment.
▼ 1/4" thick steel rolls standard.

steel rolls





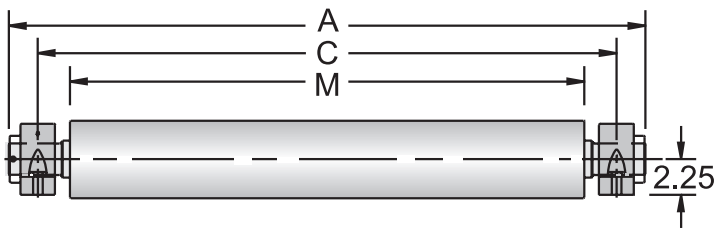
CEMA E

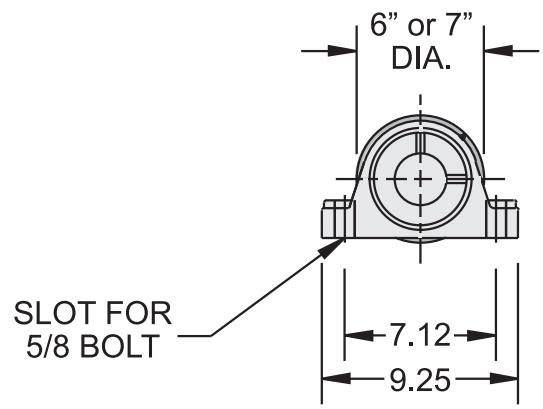
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")			L	W
			Idler weight, pounds	C	M	Idler weight, pounds	C	M		
				Inches			Inches			
36	6"	E4613S-36	91	45.00	39.88	102	51.00	45.88	9.00	12.00
	7"	E4713S-36	118	45.00	39.88	132	51.00	45.88	9.00	12.00
42	6"	E4613S-42	102	51.00	45.88	112	57.00	51.88	9.00	12.00
	7"	E4713S-42	132	51.00	45.88	146	57.00	51.88	9.00	12.00
48	6"	E4613S-48	112	57.00	51.88	122	63.00	57.88	9.00	12.00
	7"	E4713S-48	146	57.00	51.88	160	63.00	57.88	9.00	12.00
54	6"	E4613S-54	122	63.00	57.88	132	69.00	63.88	9.00	12.00
	7"	E4713S-54	160	63.00	57.88	174	69.00	63.88	9.00	12.00
60	6"	E4613S-60	132	69.00	63.88	143	75.00	69.88	9.00	12.00
	7"	E4713S-60	174	69.00	63.88	188	75.00	69.88	9.00	12.00
72	6"	E4613S-72	154	81.00	75.88	174	87.00	81.88	9.00	12.00
	7"	E4713S-72	202	81.00	75.88	228	87.00	81.88	9.00	12.00
84	6"	E4613S-84	185	93.00	87.88	196	99.00	93.88	11.50	14.50
	7"	E4713S-84	243	93.00	87.88	258	99.00	93.88	11.50	14.50
96	6"	E4613S-96	207	105.00	99.88	218	111.00	105.88	11.50	14.50
	7"	E4713S-96	272	105.00	99.88	287	111.00	105.88	11.50	14.50

■ 10" bolt spacing recommended to permit adjustment.
(12.5" for 84" and 96" belt widths.)

live shaft idlers

steel rolls, live shaft type



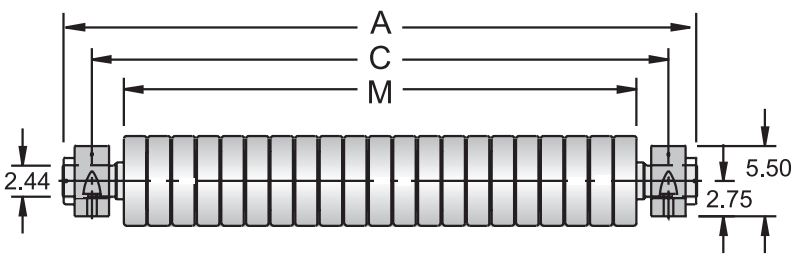


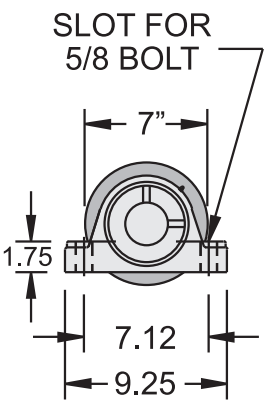
CEMA E

Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9”)				Wide Base (Belt width + 15”)			
			Idler weight, pounds *	A	C	M	Idler weight, pounds *	A	C	M
				Inches				Inches		
36	6”	E4613L-36	162	49.50	45.00	40.00	178	55.50	51.00	46.00
	7”	E4713L-36	177	49.50	45.00	40.00	193	55.50	51.00	46.00
42	6”	E4613L-42	178	55.50	51.00	46.00	193	61.50	57.00	52.00
	7”	E4713L-42	193	55.50	51.00	46.00	210	61.50	57.00	52.00
48	6”	E4613L-48	193	61.50	57.00	52.00	209	67.50	63.00	58.00
	7”	E4713L-48	210	61.50	57.00	52.00	227	67.50	63.00	58.00
54	6”	E4613L-54	209	67.50	63.00	58.00	224	73.50	69.00	64.00
	7”	E4713L-54	227	67.50	63.00	58.00	244	73.50	69.00	64.00
60	6”	E4613L-60	224	73.50	69.00	64.00	240	79.50	75.00	70.00
	7”	E4713L-60	244	73.50	69.00	64.00	261	79.50	75.00	70.00
72	6”	E4613L-72	256	85.50	81.00	76.00	271	91.50	87.00	82.00
	7”	E4713L-72	278	85.50	81.00	76.00	295	91.50	87.00	82.00
84	6”	E4613L-84	287	97.50	93.00	88.00	302	103.50	99.00	94.00
	7”	E4713L-84	312	97.50	93.00	88.00	329	103.50	99.00	94.00
96	6”	E4613L-96	318	109.50	105.00	100.00	334	115.50	111.00	106.00
	7”	E4713L-96	346	109.50	105.00	100.00	363	115.50	111.00	106.00

* Weight includes pillow blocks (P-B22439H).

rubber cushion rolls, live shaft type





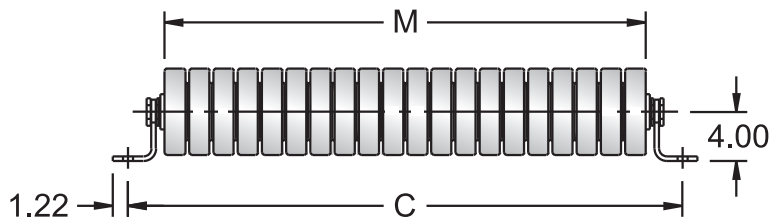
CEMA E

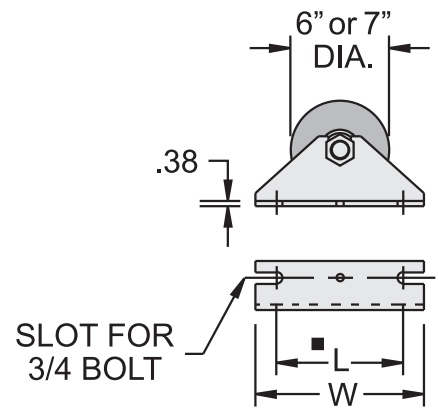
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9”)				Wide Base (Belt width + 15”)			
			Idler weight, pounds *	A	C	M	Idler weight, pounds *	A	C	M
					Inches				Inches	
36	7”	E4716-36	235	49.50	45.00	40.50	258	55.50	51.00	46.50
42	7”	E4716-42	258	55.50	51.00	46.50	281	61.50	57.00	52.50
48	7”	E4716-48	281	61.50	57.00	52.50	304	67.50	63.00	58.50
54	7”	E4716-54	304	67.50	63.00	58.50	328	73.50	69.00	64.50
60	7”	E4716-60	328	73.50	69.00	64.50	351	79.50	75.00	70.50
72	7”	E4716-72	374	85.50	81.00	76.50	397	91.50	87.00	82.50
84	7”	E4716-84	409	97.50	93.00	88.50	432	103.50	99.00	94.50
96	7”	E4716-96	456	109.50	105.00	100.50	479	115.50	111.00	106.50

* Weight includes pillow blocks (P-B22439H).

flat belt idlers

rubber cushion rolls



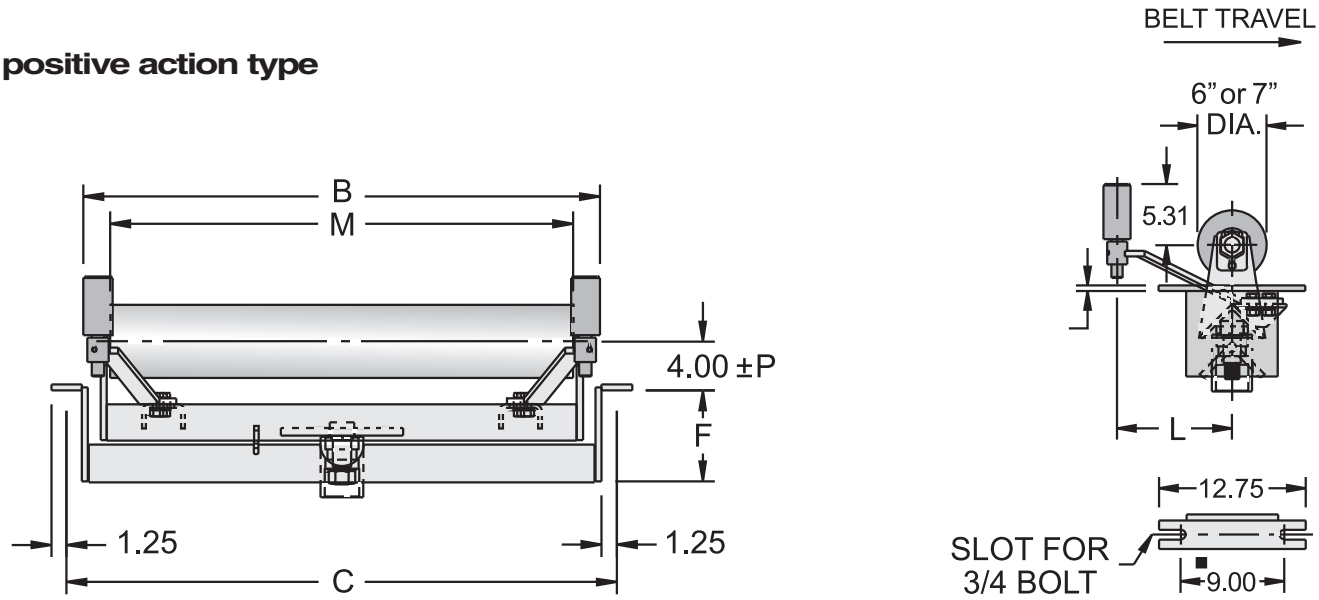


CEMA E

Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")			L	W
			Idler weight, pounds	C	M	Idler weight, pounds	C	M		
				Inches			Inches			
36	6"	E4615S-36	121	45.00	39.75	137	51.00	45.75	9.00	12.00
	7"	E4715S-36	135	45.00	39.75	154	51.00	45.75	9.00	12.00
42	6"	E4615S-42	137	51.00	45.75	153	57.00	51.75	9.00	12.00
	7"	E4715S-42	154	51.00	45.75	173	57.00	51.75	9.00	12.00
48	6"	E4615S-48	153	57.00	51.75	167	63.00	57.75	9.00	12.00
	7"	E4715S-48	173	57.00	51.75	189	63.00	57.75	9.00	12.00
54	6"	E4615S-54	167	63.00	57.75	182	69.00	63.75	9.00	12.00
	7"	E4715S-54	189	63.00	57.75	206	69.00	63.75	9.00	12.00
60	6"	E4615S-60	182	69.00	63.75	197	75.00	69.75	9.00	12.00
	7"	E4715S-60	206	69.00	63.75	223	75.00	69.75	9.00	12.00
72	6"	E4615S-72	209	81.00	75.75	231	87.00	81.75	9.00	12.00
	7"	E4715S-72	238	81.00	75.75	262	87.00	81.75	9.00	12.00
84	6"	E4615S-84	244	93.00	87.75	257	99.00	93.75	11.50	14.50
	7"	E4715S-84	277	93.00	87.75	292	99.00	93.75	11.50	14.50
96	6"	E4615S-96	269	105.00	99.75	282	111.00	105.75	11.50	14.50
	7"	E4715S-96	307	105.00	99.75	322	111.00	105.75	11.50	14.50

■ 10" bolt spacing recommended to permit adjustment.
(12.5" for 84" and 96" belt widths.)

positive action type

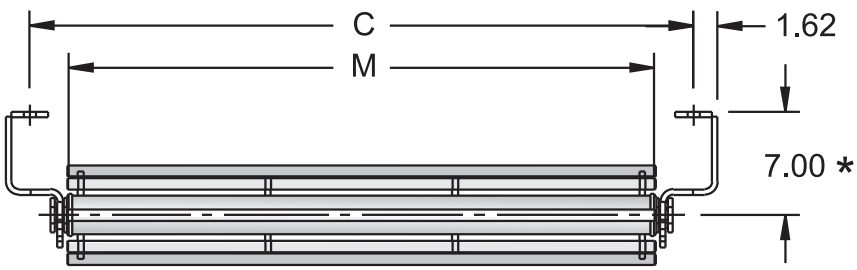


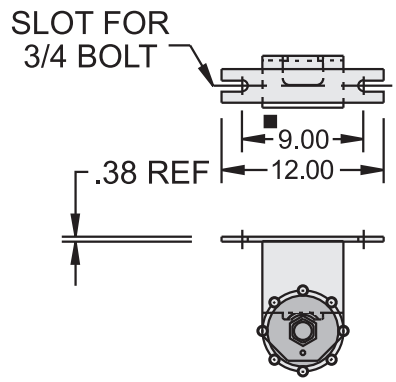
CEMA E

Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	F	L	M	P
			Idler weight, pounds	C	Idler weight, pounds	C	Inches				
36	6"	E4614S-36	230	45.00	236	51.00	42.12	7.44	10.00	37.88	0.19
	7"	E4714S-36	255	45.00	262	51.00	42.12	7.44	10.00	37.88	0.19
42	6"	E4614S-42	254	51.00	261	57.00	48.12	7.44	10.00	43.88	0.19
	7"	E4714S-42	282	51.00	289	57.00	48.12	7.44	10.00	43.88	0.19
48	6"	E4614S-48	283	57.00	290	63.00	54.12	7.44	10.00	49.88	0.19
	7"	E4714S-48	316	57.00	323	63.00	54.12	7.44	10.00	49.88	0.19
54	6"	E4614S-54	309	63.00	315	69.00	60.00	7.44	15.00	55.88	0.19
	7"	E4714S-54	344	63.00	351	69.00	60.00	7.44	15.00	55.88	0.19
60	6"	E4614S-60	333	69.00	339	75.00	66.00	7.44	15.00	61.88	0.25
	7"	E4714S-60	374	69.00	380	75.00	66.00	7.44	15.00	61.88	0.25
72	6"	E4614S-72	456	81.00	462	87.00	78.00	9.38	15.00	73.88	0.25
	7"	E4714S-72	503	81.00	509	87.00	78.00	9.38	15.00	73.88	0.25

■ 10" bolt spacing recommended to permit adjustment.

return belt beater idlers



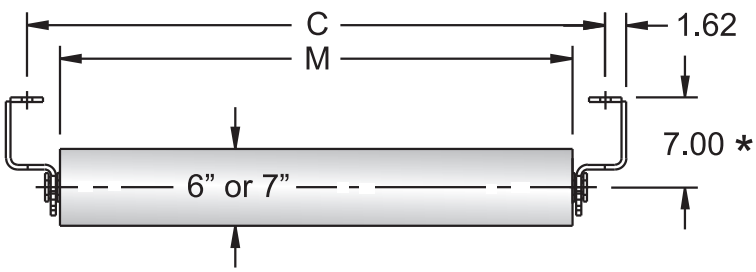


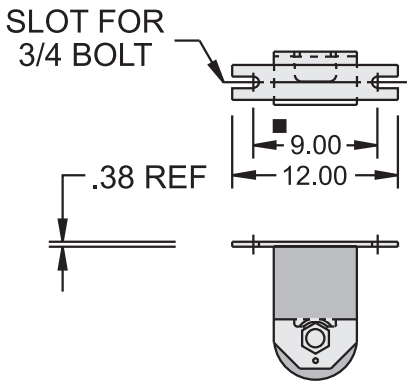
CEMA E

Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")		
			Idler weight, pounds	C	M	Idler weight, pounds	C	M
				Inches			Inches	
36	6"	E4619S-36	101	45.00	39.88	112	51.00	45.88
	7"	E4719S-36	104	45.00	39.88	115	51.00	45.88
42	6"	E4619S-42	112	51.00	45.88	123	57.00	51.88
	7"	E4719S-42	115	51.00	45.88	126	57.00	51.88
48	6"	E4619S-48	123	57.00	51.88	135	63.00	57.88
	7"	E4719S-48	126	57.00	51.88	139	63.00	57.88
54	6"	E4619S-54	135	63.00	57.88	146	69.00	63.88
	7"	E4719S-54	139	63.00	57.88	151	69.00	63.88
60	6"	E4619S-60	146	69.00	63.88	157	75.00	69.88
	7"	E4719S-60	151	69.00	63.88	162	75.00	69.88
72	6"	E4619S-72	169	81.00	75.88	179	87.00	81.88
	7"	E4719S-72	174	81.00	75.88	184	87.00	81.88
84	6"	E4619S-84	192	93.00	87.88	202	99.00	93.88
	7"	E4719S-84	198	93.00	87.88	208	99.00	93.88
96	6"	E4619S-96	214	105.00	99.88	224	111.00	105.88
	7"	E4719S-96	220	105.00	99.88	230	111.00	105.88

■ 10" bolt spacing recommended to permit adjustment.
* 1.75" and 4.25" drops can be furnished if specified.

steel rolls





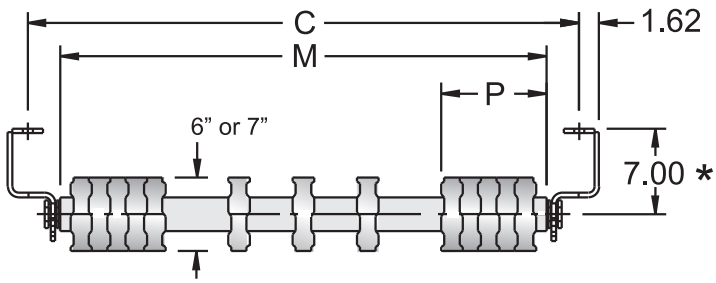
CEMA E

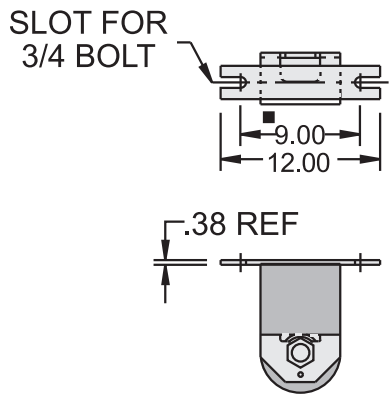
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")			Wide Base (Belt width + 15")		
			Idler weight, pounds	C	M	Idler weight, pounds	C	M
				Inches			Inches	
36	6"	E4617S-36	92	45.00	39.88	103	51.00	45.88
	7"	E4717S-36	119	45.00	39.88	133	51.00	45.88
42	6"	E4617S-42	103	51.00	45.88	113	57.00	51.88
	7"	E4717S-42	133	51.00	45.88	147	57.00	51.88
48	6"	E4617S-48	113	57.00	51.88	123	63.00	57.88
	7"	E4717S-48	147	57.00	51.88	161	63.00	57.88
54	6"	E4617S-54	123	63.00	57.88	133	69.00	63.88
	7"	E4717S-54	161	63.00	57.88	175	69.00	63.88
60	6"	E4617S-60	133	69.00	63.88	143	75.00	69.88
	7"	E4717S-60	175	69.00	63.88	189	75.00	69.88
72	6"	E4617S-72	155	81.00	75.88	174	87.00	81.88
	7"	E4717S-72	203	81.00	75.88	228	87.00	81.88
84	6"	E4617S-84	223	93.00	87.88	236	99.00	93.88
	7"	E4717S-84	244	93.00	87.88	258	99.00	93.88
96	6"	E4617S-96	250	105.00	99.88	263	111.00	105.88
	7"	E4717S-96	273	105.00	99.88	287	111.00	105.88

■ 10" bolt spacing recommended to permit adjustment.
* 1.75" and 4.25" drops can be furnished if specified.

return belt idlers

rubber tread rolls, massed ends



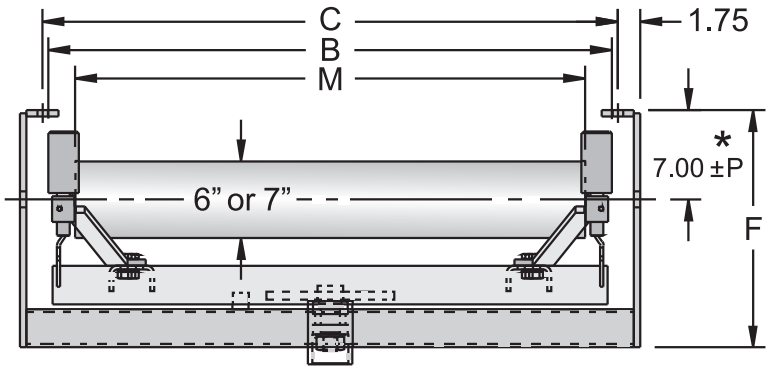


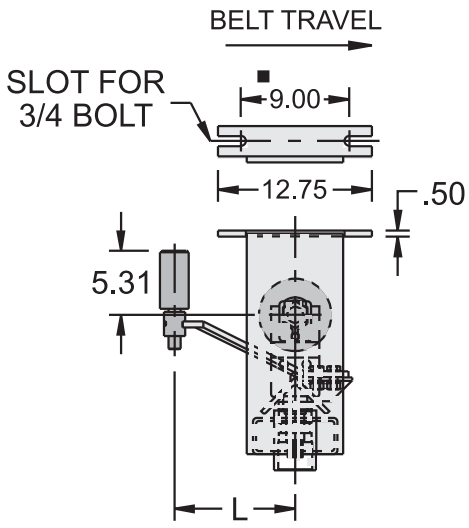
CEMA E

Belt width, inches	Dia.	▽ Idler number	Standard Base (Belt width + 9”)				Wide Base (Belt width + 15”)				Number of treads
			Idler weight, pounds	C	M	P	Idler weight, pounds	C	M	P	
				Inches				Inches			
36	6”	E4618S-36	81	45.00	39.69	8.62	87	51.00	45.69	9.62	13
	7”	E4718S-36	92	45.00	39.69	8.62	97	51.00	45.69	9.62	13
42	6”	E4618S-42	88	51.00	45.69	8.62	94	57.00	51.69	9.62	14
	7”	E4718S-42	100	51.00	45.69	8.62	106	57.00	51.69	9.62	14
48	6”	E4618S-48	96	57.00	51.69	8.62	102	63.00	57.69	9.62	15
	7”	E4718S-48	108	57.00	51.69	8.62	114	63.00	57.69	9.62	15
54	6”	E4618S-54	103	63.00	57.69	8.62	109	69.00	63.69	9.62	16
	7”	E4718S-54	116	63.00	57.69	8.62	122	69.00	69.69	9.62	16
60	6”	E4618S-60	111	69.00	63.69	8.62	117	75.00	69.69	9.62	17
	7”	E4718S-60	125	69.00	63.69	8.62	131	75.00	69.69	9.62	17
72	6”	E4618S-72	126	81.00	75.69	8.62	142	87.00	81.69	9.62	19
	7”	E4718S-72	141	81.00	75.69	8.62	158	87.00	81.69	9.62	19
84	6”	E4618S-84	152	93.00	87.69	8.62	158	99.00	93.69	9.62	21
	7”	E4718S-84	169	93.00	87.69	8.62	176	99.00	93.69	9.62	21
96	6”	E4618S-96	168	105.00	99.69	8.62	175	111.00	105.69	9.62	23
	7”	E4718S-96	187	105.00	99.69	8.62	194	111.00	105.69	9.62	23

■ 10” bolt spacing recommended to permit adjustment.
* 1.75” and 4.25” drops can be furnished if specified.
▽ 6” and 7” diameter urethane treads available.

steel rolls, positive action type





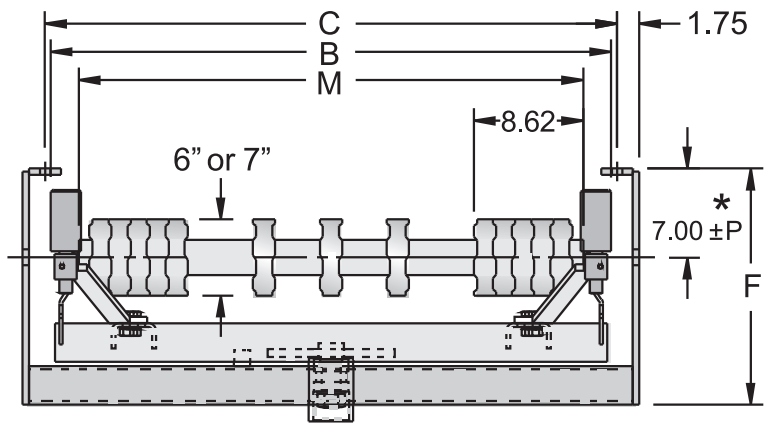
CEMA E

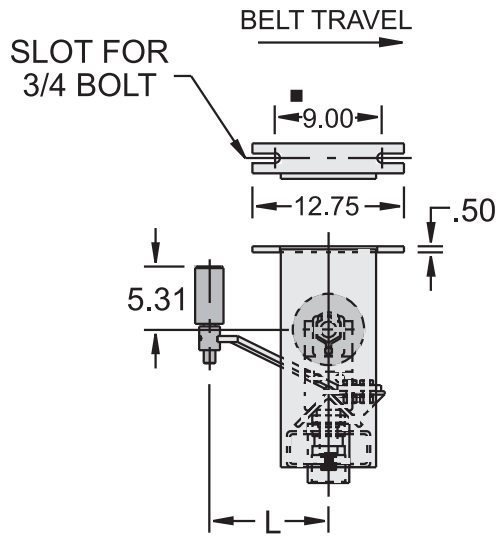
Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	F	L	M	P
			Idler weight, pounds	C	Idler weight, pounds	C	Inches				
36	6"	E4620S-36	264	45.00	272	51.00	44.12	18.56	10.00	39.88	0.19
	7"	E4720S-36	291	45.00	299	51.00	44.12	18.56	10.00	39.88	0.19
42	6"	E4620S-42	323	51.00	331	57.00	50.12	18.56	10.00	45.88	0.19
	7"	E4720S-42	353	51.00	361	57.00	50.12	18.56	10.00	45.88	0.19
48	6"	E4620S-48	345	57.00	353	63.00	56.12	18.56	10.00	51.88	0.19
	7"	E4720S-48	380	57.00	388	63.00	56.12	18.56	10.00	51.88	0.19
54	6"	E4620S-54	364	63.00	372	69.00	62.00	18.56	15.00	57.88	0.19
	7"	E4720S-54	402	63.00	410	69.00	62.00	18.56	15.00	57.88	0.19
60	6"	E4620S-60	392	69.00	400	75.00	68.00	18.56	15.00	63.88	0.25
	7"	E4720S-60	433	69.00	441	75.00	68.00	18.56	15.00	63.88	0.25
72	6"	E4620S-72	544	81.00	555	87.00	80.00	19.69	15.00	75.88	0.25
	7"	E4720S-72	592	81.00	604	87.00	80.00	19.69	15.00	75.88	0.25

■ 10" bolt spacing recommended to permit adjustment.
* 4.25" drop can be furnished if specified.

return belt idlers

rubber tread rolls, positive action type, massed ends



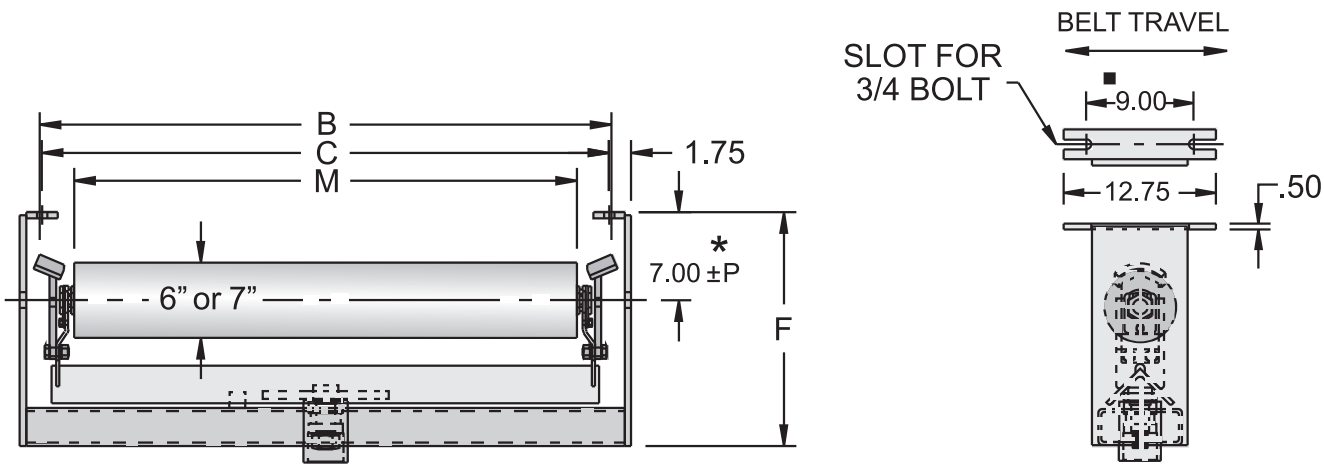


CEMA E

Belt width, inches	Dia.	▽ Idler number	Standard Base (Belt width + 9”)		Wide Base (Belt width + 15”)		B	F	L	M	P	Number of treads
			Idler weight, pounds	C	Idler weight, pounds	C	Inches					
36	6”	E4621S-36	253	45.00	261	51.00	44.12	18.56	10.00	39.69	0.19	13
	7”	E4721S-36	264	45.00	272	51.00	44.12	18.56	10.00	39.69	0.19	13
42	6”	E4621S-42	308	51.00	316	57.00	50.12	18.56	10.00	45.69	0.19	14
	7”	E4721S-42	320	51.00	328	57.00	50.12	18.56	10.00	45.69	0.19	14
48	6”	E4621S-48	329	57.00	337	63.00	56.12	18.56	10.00	51.69	0.19	15
	7”	E4721S-48	341	57.00	349	63.00	56.12	18.56	10.00	51.69	0.19	15
54	6”	E4621S-54	344	63.00	352	69.00	62.00	18.56	15.00	57.69	0.19	16
	7”	E4721S-54	357	63.00	365	69.00	62.00	18.56	15.00	57.69	0.19	16
60	6”	E4621S-60	369	69.00	377	75.00	68.00	18.56	15.00	63.69	0.25	17
	7”	E4721S-60	383	69.00	391	75.00	68.00	18.56	15.00	63.69	0.25	17
72	6”	E4621S-72	514	81.00	525	87.00	80.00	19.69	15.00	75.69	0.25	19
	7”	E4721S-72	529	81.00	541	87.00	80.00	19.69	15.00	75.69	0.25	19

■ 10” bolt spacing recommended to permit adjustment.
* 4.25” drop can be furnished if specified.
▽ 6” and 7” diameter urethane treads available.

steel rolls, actuating shoe type



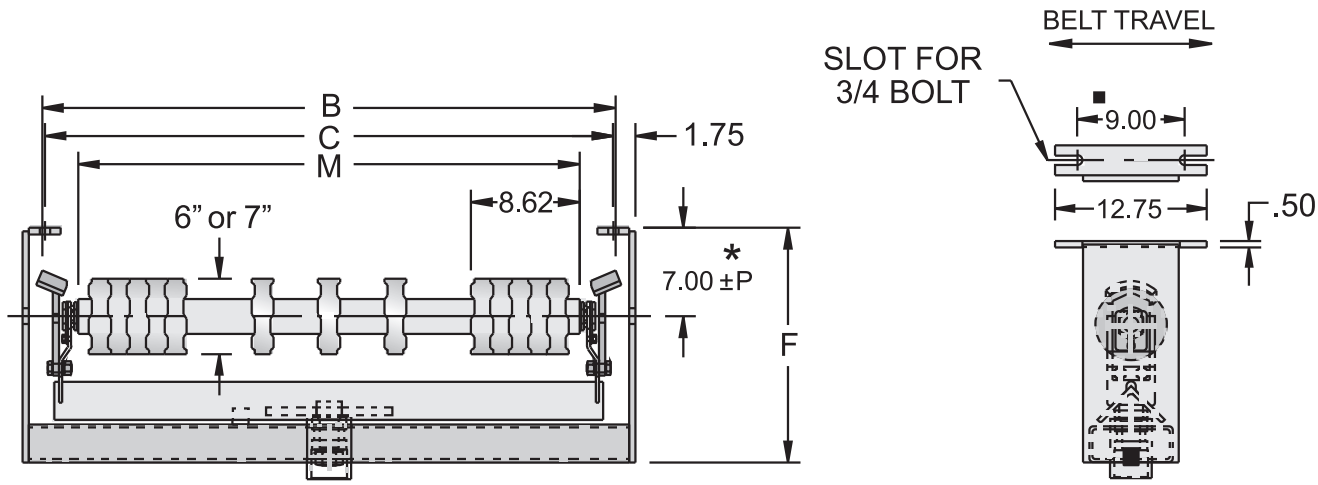
CEMA E

Belt width, inches	Dia.	Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	F	M	P
			Idler weight, pounds	C	Idler weight, pounds	C	Inches			
36	6"	E4626S-36	251	45.00	259	51.00	45.38	18.56	39.88	0.19
	7"	E4726S-36	278	45.00	286	51.00	45.38	18.56	39.88	0.19
42	6"	E4626S-42	310	51.00	318	57.00	51.38	18.56	45.88	0.19
	7"	E4726S-42	340	51.00	348	57.00	51.38	18.56	45.88	0.19
48	6"	E4626S-48	332	57.00	340	63.00	57.38	18.56	51.88	0.19
	7"	E4726S-48	367	57.00	375	63.00	57.38	18.56	51.88	0.19
54	6"	E4626S-54	351	63.00	359	69.00	63.38	18.56	57.88	0.19
	7"	E4726S-54	389	63.00	397	69.00	63.38	18.56	57.88	0.19
60	6"	E4626S-60	379	69.00	387	75.00	69.38	18.56	63.88	0.25
	7"	E4726S-60	420	69.00	428	75.00	69.38	18.56	63.88	0.25
72	6"	E4626S-72	531	81.00	542	87.00	81.38	19.69	75.88	0.25
	7"	E4726S-72	571	81.00	583	87.00	81.38	19.69	75.88	0.25

■ 10" bolt spacing recommended to permit adjustment.
* 4.25" drop can be furnished if specified.

return belt training idlers

rubber tread rolls, actuating shoe type, massed ends

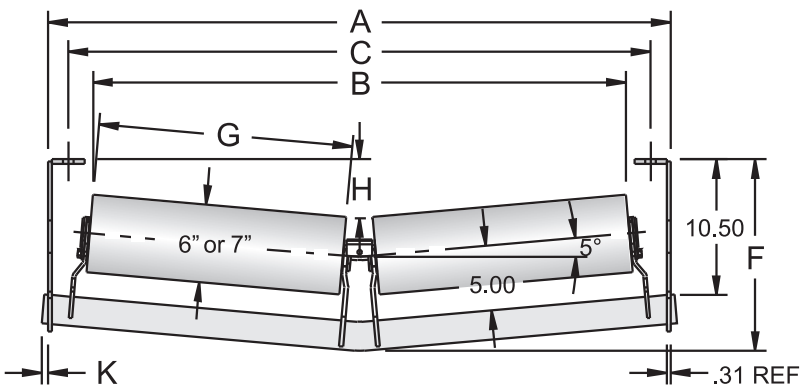


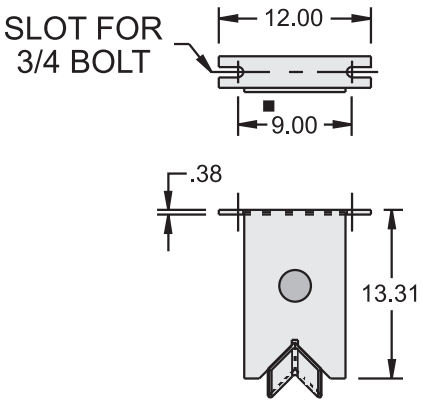
CEMA E

Belt width, inches	Dia.	▽ Idler number	Standard Base (Belt width + 9")		Wide Base (Belt width + 15")		B	F	M	P	Number of treads
			Idler weight, pounds	C	Idler weight, pounds	C	Inches				
36	6"	E4627S-36	240	45.00	248	51.00	45.38	18.56	39.69	0.19	13
	7"	E4727S-36	251	45.00	259	51.00	45.38	18.56	39.69	0.19	13
42	6"	E4627S-42	295	51.00	303	57.00	51.38	18.56	45.69	0.19	14
	7"	E4727S-42	307	51.00	315	57.00	51.38	18.56	45.69	0.19	14
48	6"	E4627S-48	316	57.00	324	63.00	57.38	18.56	51.69	0.19	15
	7"	E4727S-48	328	57.00	336	63.00	57.38	18.56	51.69	0.19	15
54	6"	E4627S-54	331	63.00	339	69.00	63.38	18.56	57.69	0.19	16
	7"	E4727S-54	344	63.00	352	69.00	63.38	18.56	57.69	0.19	16
60	6"	E4627S-60	356	69.00	364	75.00	69.38	18.56	63.69	0.25	17
	7"	E4727S-60	370	69.00	378	75.00	69.38	18.56	63.69	0.25	17
72	6"	E4627S-72	501	81.00	512	87.00	81.38	19.69	75.69	0.25	19
	7"	E4727S-72	516	81.00	528	87.00	81.38	19.69	75.69	0.25	19

■ 10" bolt spacing recommended to permit adjustment.
* 4.25" drop can be furnished if specified.
▽ 6" and 7" diameter urethane treads available.

steel rolls, v-return





CEMA E

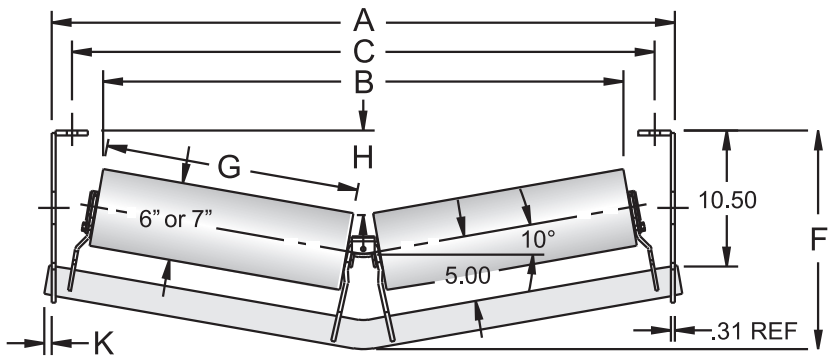
** Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	F	G	H	K
				Inches						
36	6"	E4664S-36	134	48.12	41.19	45.00	15.19	19.62	4.56	.50
	7"	E4764S-36	134	48.12	41.06	45.00	15.19	19.62	4.06	.50
42	6"	E4664S-42	152	54.12	47.12	51.00	15.81	22.62	4.81	.56
	7"	E4764S-42	152	54.12	47.06	51.00	15.81	22.62	4.31	.56
48	6"	E4664S-48	166	60.12	53.00	57.00	16.06	25.56	5.12	.56
	7"	E4764S-48	166	60.12	52.88	57.00	16.06	25.56	4.62	.56
54	6"	E4664S-54	191	66.12	60.38	63.00	16.38	29.25	5.38	.56
	7"	E4764S-54	191	66.12	60.25	63.00	16.38	29.25	4.88	.56
60	6"	E4664S-60	203	72.12	64.94	69.00	16.62	31.56	5.62	.56
	7"	E4764S-60	203	72.12	64.88	69.00	16.62	31.56	5.12	.56
66	6"	E4664S-66	218	78.12	70.94	75.00	16.88	34.56	5.88	.56
	7"	E4764S-66	218	78.12	70.88	75.00	16.88	34.56	5.38	.56
72	6"	E4664S-72	236	84.12	76.94	81.00	17.81	37.56	6.12	.62
	7"	E4764S-72	236	84.12	76.81	81.00	17.81	37.56	5.62	.62
78	6"	E4664S-78	251	90.12	82.88	87.00	18.06	40.56	6.44	.62
	7"	E4764S-78	251	90.12	82.81	87.00	18.06	40.56	5.94	.62
84	6"	E4664S-84	267	96.12	89.50	93.00	18.31	43.88	6.69	.62
	7"	E4764S-84	267	96.12	89.44	93.00	18.31	43.88	6.19	.62
90	6"	E4664S-90	281	102.12	95.44	99.00	18.62	46.88	6.94	.62
	7"	E4764S-90	281	102.12	95.38	99.00	18.62	46.88	6.44	.62
96	6"	E4664S-96	296	108.12	101.44	105.00	18.88	49.88	7.19	.62
	7"	E4764S-96	296	108.12	101.38	105.00	18.88	49.88	6.69	.62
102	6"	E4664S-102	330	114.12	107.44	111.00	19.12	52.88	7.44	.62
	7"	E4764S-102	330	114.12	107.31	111.00	19.12	52.88	6.94	.62

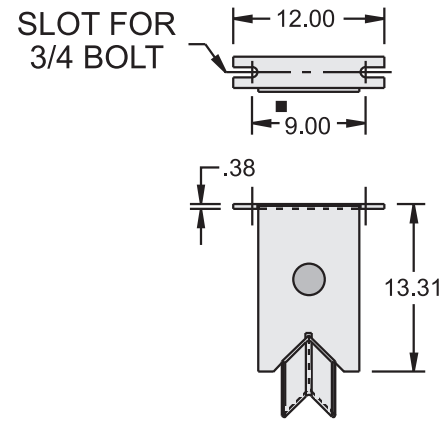
■ 10" bolt spacing recommended to permit adjustment.

** For belt width + 15" mounting use next higher belt width.

10° v-return idlers

steel rolls, v-return



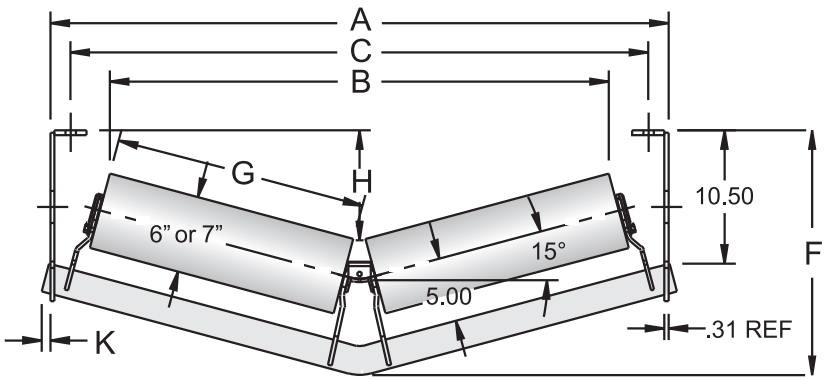


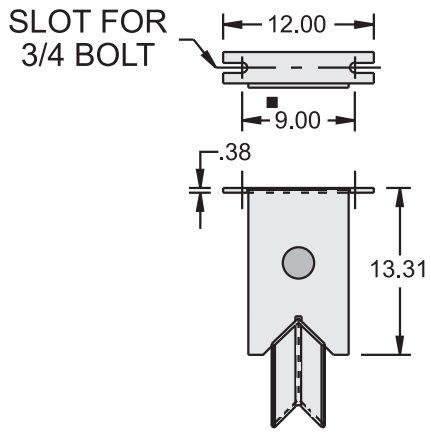
CEMA E

** Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	F	G	H	K
				Inches						
36	6"	E4665S-36	135	48.12	40.25	45.00	17.31	19.62	6.62	.75
	7"	E4765S-36	162	48.12	40.06	45.00	17.31	19.62	6.12	.75
42	6"	E4665S-42	153	54.12	46.12	51.00	18.19	22.62	7.12	.81
	7"	E4765S-42	184	54.12	46.00	51.00	18.19	22.62	6.62	.81
48	6"	E4665S-48	166	60.12	51.94	57.00	18.69	25.56	7.69	.81
	7"	E4765S-48	201	60.12	51.75	57.00	18.69	25.56	7.19	.81
54	6"	E4665S-54	192	66.12	59.19	63.00	19.25	29.25	8.19	.81
	7"	E4765S-54	231	66.12	59.00	63.00	19.25	29.25	7.69	.81
60	6"	E4665S-60	204	72.12	63.75	69.00	19.75	31.56	8.75	.81
	7"	E4765S-60	246	72.12	63.56	69.00	19.75	31.56	8.25	.81
66	6"	E4665S-66	219	78.12	69.69	75.00	20.31	34.56	9.25	.81
	7"	E4765S-66	264	78.12	69.50	75.00	20.31	34.56	8.75	.81
72	6"	E4665S-72	237	84.12	75.56	81.00	21.50	37.56	9.81	.94
	7"	E4765S-72	287	84.12	75.44	81.00	21.50	37.56	9.31	.94
78	6"	E4665S-78	252	90.12	81.50	87.00	22.06	40.56	10.31	.94
	7"	E4765S-78	306	90.12	81.31	87.00	22.06	40.56	9.81	.94
84	6"	E4665S-84	268	96.12	88.00	93.00	22.56	43.88	10.88	.94
	7"	E4765S-84	326	96.12	87.88	93.00	22.56	43.88	10.31	.94
90	6"	E4665S-90	283	102.12	93.94	99.00	23.12	46.88	11.38	.94
	7"	E4765S-90	345	102.12	93.75	99.00	23.12	46.88	10.88	.94
96	6"	E4665S-96	298	108.12	99.88	105.00	23.62	49.88	11.88	.94
	7"	E4765S-96	364	108.12	99.69	105.00	23.62	49.88	11.38	.94
102	6"	E4665S-102	332	114.12	105.75	111.00	24.19	52.88	12.44	.94
	7"	E4765S-102	402	114.12	105.56	111.00	24.19	52.88	11.94	.94

■ 10" bolt spacing recommended to permit adjustment. ** For belt width + 15" mounting use next higher belt width.

steel rolls, v-return





CEMA E

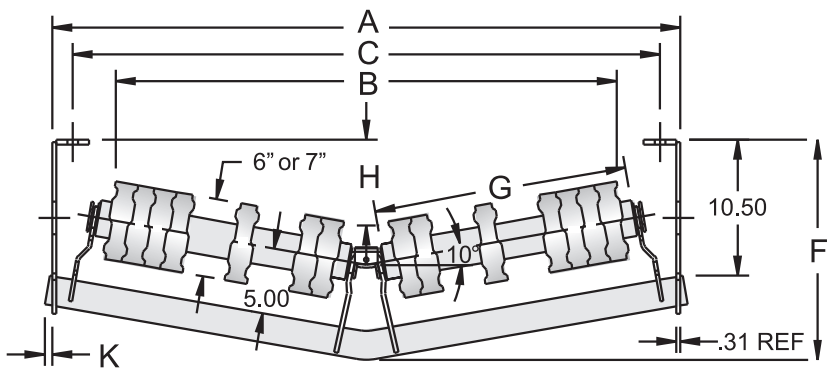
** Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	F	G	H	K
				Inches						
36	6"	E4666S-36	135	48.12	39.00	45.00	19.50	19.62	8.62	.94
	7"	E4766S-36	162	48.12	38.75	45.00	19.50	19.62	8.12	.94
42	6"	E4666S-42	154	54.12	44.75	51.00	20.69	22.62	9.44	1.06
	7"	E4766S-42	185	54.12	44.50	51.00	20.69	22.62	8.94	1.06
48	6"	E4666S-48	167	60.12	50.44	57.00	21.50	25.56	10.25	1.06
	7"	E4766S-48	202	60.12	50.19	57.00	21.50	25.56	9.75	1.06
54	6"	E4666S-54	193	66.12	57.56	63.00	22.31	29.25	11.06	1.06
	7"	E4766S-54	232	66.12	57.31	63.00	22.31	29.25	10.56	1.06
60	6"	E4666S-60	205	72.12	62.06	69.00	23.12	31.56	11.88	1.06
	7"	E4766S-60	248	72.12	61.81	69.00	23.12	31.56	11.38	1.06
66	6"	E4666S-66	220	78.12	67.88	75.00	23.88	34.56	12.69	1.06
	7"	E4766S-66	266	78.12	67.56	75.00	23.88	34.56	12.19	1.06
72	6"	E4666S-72	239	84.12	73.69	81.00	25.38	37.56	13.50	1.25
	7"	E4766S-72	289	84.12	73.38	81.00	25.38	37.56	13.00	1.25
78	6"	E4666S-78	254	90.12	79.44	87.00	26.19	40.56	14.31	1.25
	7"	E4766S-78	308	90.12	79.19	87.00	26.19	40.56	13.75	1.25
84	6"	E4666S-84	270	96.12	85.81	93.00	27.00	43.88	15.12	1.25
	7"	E4766S-84	328	96.12	85.56	93.00	27.00	43.88	14.56	1.25
90	6"	E4666S-90	285	102.12	91.62	99.00	27.81	46.88	15.88	1.25
	7"	E4766S-90	347	102.12	91.38	99.00	27.81	46.88	15.38	1.25
96	6"	E4666S-96	300	108.12	97.44	105.00	28.62	49.88	16.69	1.25
	7"	E4766S-96	366	108.12	97.19	105.00	28.62	49.88	16.19	1.25
102	6"	E4666S-102	335	114.12	103.25	111.00	29.44	52.88	17.50	1.25
	7"	E4766S-102	405	114.12	103.00	111.00	29.44	52.88	17.00	1.25

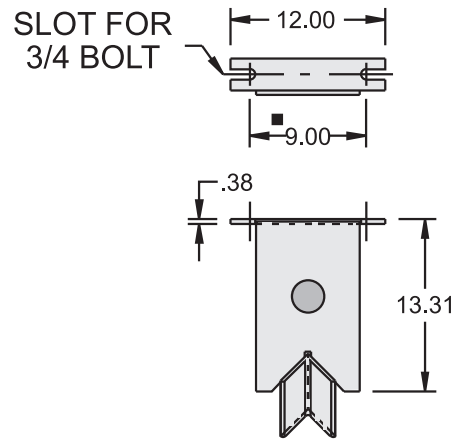
■ 10" bolt spacing recommended to permit adjustment.

** For belt width + 15" mounting use next higher belt width.

10° v-return idlers

rubber tread rolls, v-return, massed ends





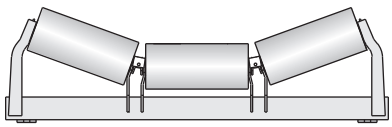
CEMA E

** Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	F	G	H	K
				Inches						
36	6"	E4668S-36	124	48.12	38.38	45.00	17.31	19.44	6.62	.75
	7"	E4768S-36	136	48.12	38.19	45.00	17.31	19.44	6.12	.75
42	6"	E4668S-42	144	54.12	44.25	51.00	18.19	22.44	7.12	.81
	7"	E4768S-42	159	54.12	44.06	51.00	18.19	22.44	6.62	.81
48	6"	E4668S-48	154	60.12	50.06	57.00	18.69	25.38	7.69	.81
	7"	E4768S-48	169	60.12	49.88	57.00	18.69	25.38	7.19	.81
54	6"	E4668S-54	180	66.12	57.38	63.00	19.25	29.06	8.19	.81
	7"	E4768S-54	198	66.12	57.19	63.00	19.25	29.06	7.69	.81
60	6"	E4668S-60	189	72.12	61.94	69.00	19.75	31.38	8.75	.81
	7"	E4768S-60	207	72.12	61.75	69.00	19.75	31.38	8.25	.81
66	6"	E4668S-66	199	78.12	67.81	75.00	20.31	34.38	9.25	.81
	7"	E4768S-66	217	78.12	67.69	75.00	20.31	34.38	8.75	.81
72	6"	E4668S-72	219	84.12	73.75	81.00	21.50	37.38	9.81	.94
	7"	E4768S-72	241	84.12	73.56	81.00	21.50	37.38	9.31	.94
78	6"	E4668S-78	230	90.12	79.62	87.00	22.06	40.38	10.31	.94
	7"	E4768S-78	251	90.12	79.50	87.00	22.06	40.38	9.81	.94
84	6"	E4668S-84	241	96.12	86.19	93.00	22.56	43.69	10.88	.94
	7"	E4768S-84	263	96.12	86.00	93.00	22.56	43.69	10.31	.94
90	6"	E4668S-90	258	102.12	92.06	99.00	23.12	46.69	11.38	.94
	7"	E4768S-90	283	102.12	91.88	99.00	23.12	46.69	10.88	.94
96	6"	E4668S-96	268	108.12	98.00	105.00	23.62	49.69	11.88	.94
	7"	E4768S-96	293	108.12	97.81	105.00	23.62	49.69	11.38	.94
102	6"	E4668S-102	299	114.12	103.88	111.00	24.19	52.69	12.44	.94
	7"	E4768S-102	323	114.12	103.69	111.00	24.19	52.69	11.94	.94

■ 10" bolt spacing recommended to permit adjustment.
** For belt width + 15" mounting use next higher belt width.

ordering replacement rolls

Below are the part numbers to reference when ordering replacement rolls for CEMA series E. Frame is not included.



The following part numbers fit

6" diameter steel troughing rolls for E4601S, 4602S, 4607S, 4608S, 4609S, 4611S, 4628S, 4632S and 4637S idlers

7" diameter steel troughing rolls for E4701S, 4702S, 4707S, 4708S, 4709S, 4711S, 4728S, 4732S and 4737S idlers

E4600 replacement rolls

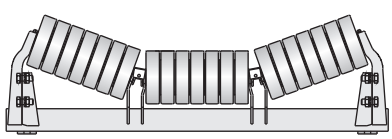
6" diameter

Belt Width	Part Number
36	1730-455-A.S.
42	1730-455-B.S.
48	1730-455-C.S.
54	1730-455-D.S.
60	1730-455-E.S.
72	1730-455-F.S.
84	1730-455-G.S.
96	1730-455-H.S.

E4700 replacement rolls

7" diameter

Belt Width	Part Number
36	1730-407-A.S.
42	1730-407-B.S.
48	1730-407-C.S.
54	1730-407-D.S.
60	1730-407-E.S.
72	1730-407-F.S.
84	1730-407-G.S.
96	1730-407-H.S.



The following part numbers fit

6" diameter rubber tread troughing rolls for E4604S, 4623S and 4630S idlers

7" diameter rubber tread troughing rolls for E4704S, 4723S and 4730S idlers

E4600 replacement rolls

6" diameter

Belt Width	Part Number
36	1730-933-A.S
42	1730-933-B.S
48	1730-933-C.S
54	1730-933-D.S
60	1730-933-E.S
72	1730-933-F.S
84	1730-933-G.S
96	1730-933-H.S

E4700 replacement rolls

7" diameter

Belt Width	Part Number
36	1730-312-A.S
42	1730-312-B.S
48	1730-312-C.S
54	1730-312-D.S
60	1730-312-E.S
72	1730-312-F.S
84	1730-312-G.S
96	1730-312-H.S

ordering replacement rolls

Below are the part numbers to reference when ordering replacement rolls for CEMA series E. Frame is not included.

The following part numbers fit

6" diameter steel return rolls for E4617S and 4620S idlers

7" diameter steel return rolls for E4717S and 4720S idlers

E4600 replacement rolls

6" diameter

Belt Width	Part Number
36	1730-456-A.S
42	1730-456-B.S
48	1730-456-C.S
54	1730-456-D.S
60	1730-455-E.S
72	1730-456-F.S
–	–
–	–

E4700 replacement rolls

7" diameter

Belt Width	Part Number
36	1730-423-A.S
42	1730-423-B.S
48	1730-423-C.S
54	1730-423-D.S
60	1730-423-E.S
72	1730-423-F.S
84	1730-423-K.S
96	1730-423-M.S

The following part numbers fit

6" diameter steel return rolls for E4615S idlers

7" diameter steel return rolls for E4715S idlers

E4600 replacement rolls

6" diameter

Belt Width	Part Number
36	1730-934-A.S
42	1730-934-B.S
48	1730-934-C.S
54	1730-934-D.S
60	1730-934-E.S
72	1730-934-F.S
84	1730-934-L.S
96	1730-934-M.S

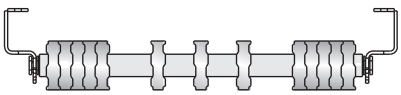
E4700 replacement rolls

7" diameter

Belt Width	Part Number
36	1730-324-A.S
42	1730-324-B.S
48	1730-324-C.S
54	1730-324-D.S
60	1730-324-E.S
72	1730-324-F.S
84	1730-324-L.S
96	1730-324-M.S

ordering replacement rolls

Below are the part numbers to reference when ordering replacement rolls for CEMA series E. Frame is not included.



The following part numbers fit

6” diameter steel return rolls for E4618S idlers

7” diameter steel return rolls for E4718S idlers

E4600 replacement rolls

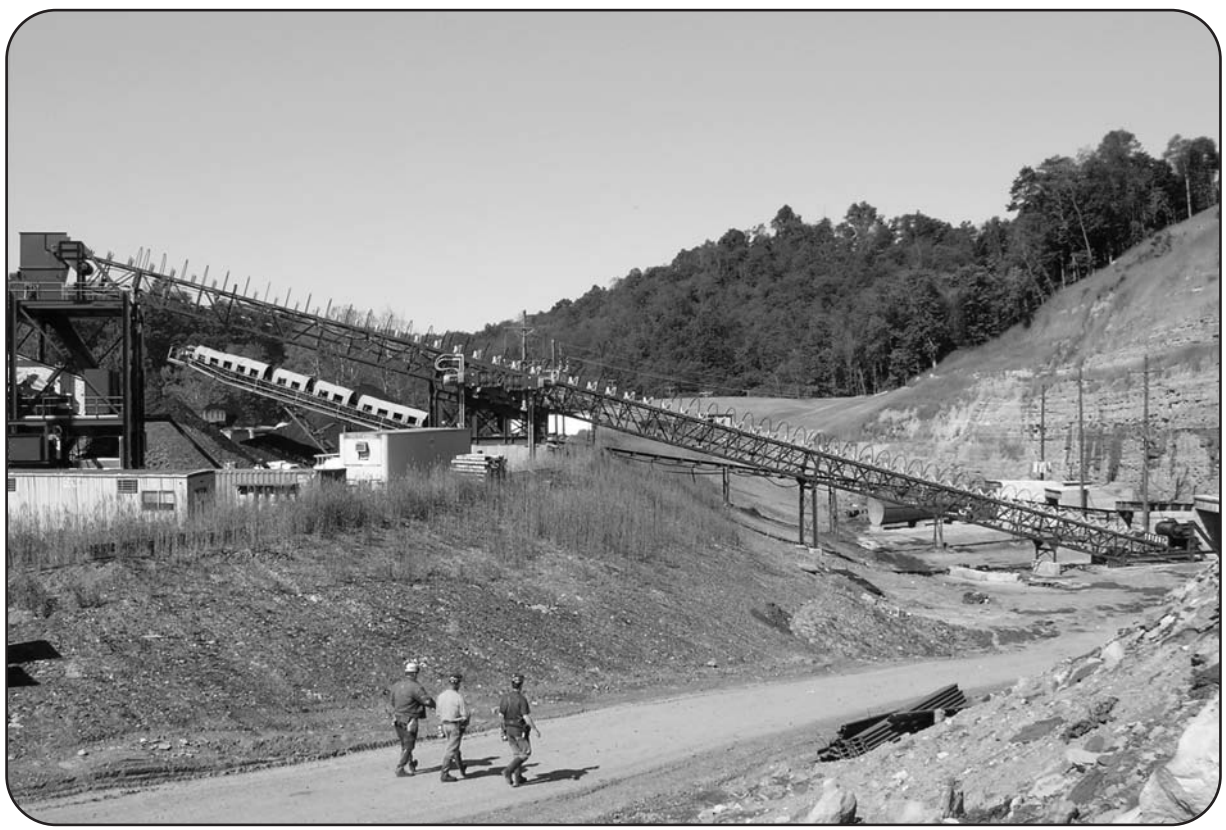
6” diameter

Belt Width	Part Number
36	1730-314-A.S
42	1730-314-B.S
48	1730-314-C.S
54	1730-314-D.S
60	1730-314-E.S
72	1730-314-F.S
84	1730-314-G.S
96	1730-314-H.S

E4700 replacement rolls

7” diameter

Belt Width	Part Number
36	1730-491-A.S
42	1730-491-B.S
48	1730-491-C.S
54	1730-491-D.S
60	1730-491-E.S
72	1730-491-F.S
84	1730-491-G.S
96	1730-491-H.S



CEMA series E4000HD idlers

Frames

- Inverted angle frame base with slotted foot straps to ensure quick, easy mounting and alignment
- Heavy-duty, die-formed, steel end brackets are contoured for generous clearance to safeguard against spilled materials becoming jammed and impeding the rotation of the rollers
- All idler frames are welded in accordance with AWS D1.1 specifications for structural welds

Seal

- The outer adjusting nuts are zinc plated, machined steel, to minimize corrosion
- Rubber triple lip contact seal paired with a Delrin deflector nut with integrated labyrinth seal for robust, redundant sealing capability
- Seal works well in dusty conditions and wash down environments

Coatings

- Frames and rolls are powder-coated (see page 98 for details)
- Assembly hardware is electro-zinc plated

CEMA

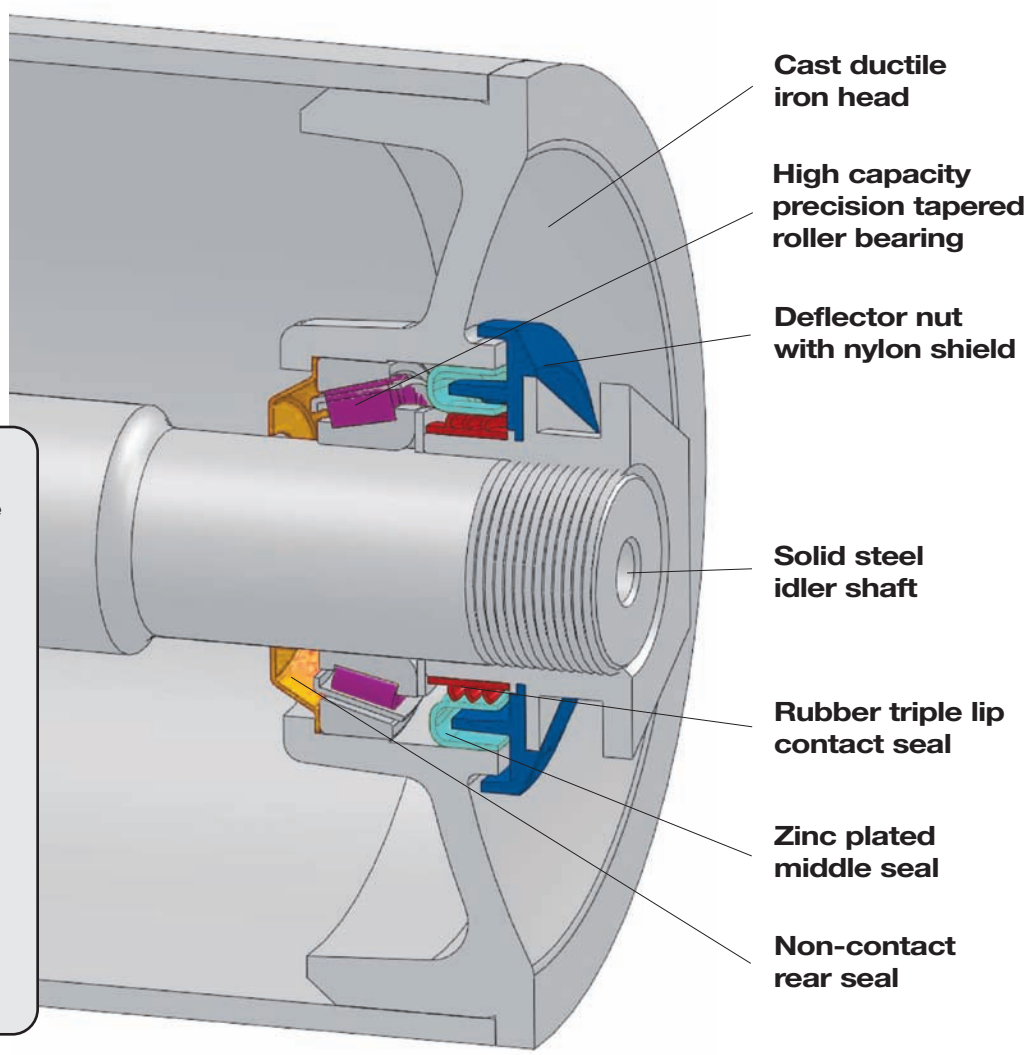
- Idlers meet or exceed CEMA requirements for rugged, continuous material handling
- Multiple belt widths and models available to meet your needs

Roll Thickness

- 6" diameter = 8 ga (.165") / .250" is available
- 7" diameter = .250"

Testing Capabilities

- Load rating
- Seals
- Roll concentricity
- Roll resistance
- Roll imbalance
- Water resistance


Cast ductile iron head
High capacity precision tapered roller bearing
Deflector nut with nylon shield
Solid steel idler shaft
Rubber triple lip contact seal
Zinc plated middle seal
Non-contact rear seal

One of the following letter suffixes may sometimes be necessary to complete an idler description:

P - Polyethylene rolls

R - Rubber lagged impact or rubber tread rolls

RC - Rubber lagged impact center roll

W - Scale idler

U - Urethane coated or lagged rolls

GAL - Galvanized frame

CEMA series F5000 idlers

Frames

- Inverted angle frame base with slotted foot straps to ensure quick, easy mounting and alignment
- Heavy-duty, die-formed, steel end brackets are contoured for generous clearance to safeguard against spilled materials becoming jammed and impeding the rotation of the rollers
- All idler frames are welded in accordance with AWS D1.1 specifications for structural welds

Seal

- Rubber triple lip contact seal paired with a zinc plated, machined steel deflector nut with integrated labyrinth seal for robust, redundant sealing capability
- Seal works well in dusty conditions and wash down environments

Coatings

- Frames and rolls are powder-coated (see page 98 for details)
- Assembly hardware is electro-zinc plated

CEMA

- Idlers meet or exceed CEMA requirements for rugged, continuous material handling
- Multiple belt widths and models available to meet your needs

Roll Thickness

- 7" diameter = .250"
- 8" diameter = .250"
- *6" diameter rolls are available*

Testing Capabilities

- Load rating
- Seals
- Roll concentricity
- Roll resistance
- Roll imbalance
- Water resistance

One of the following letter suffixes may sometimes be necessary to complete an idler description:

P - Polyethylene rolls

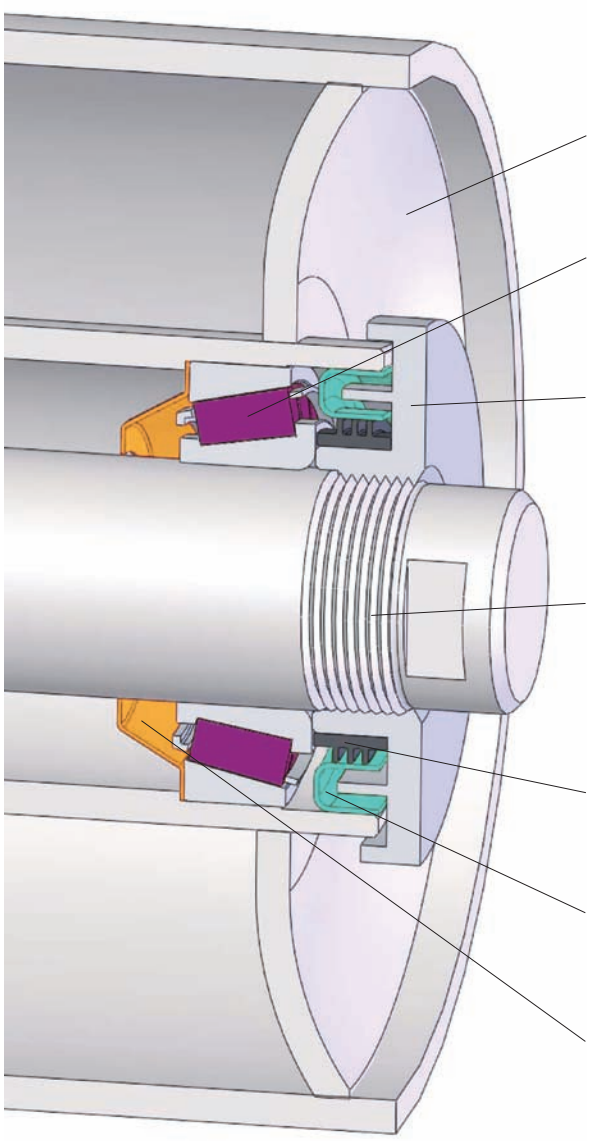
R - Rubber lagged impact or rubber tread rolls

RC - Rubber lagged impact center roll

W - Scale idler

U - Urethane coated or lagged rolls

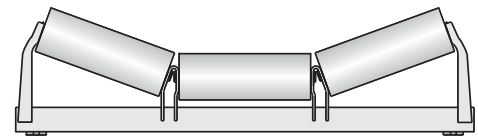
GAL - Galvanized frame


Recessed die formed head
High capacity precision tapered roller bearing
Deflector nut
Solid steel idler shaft
Rubber triple lip contact seal
Zinc plated middle seal
Non-contact rear seal

idlers of every type to meet your specific needs

series F5000		CEMA F
	belt width, inches	roll dia., inches
troughed belt idlers		
steel rolls 20˚-35˚-45˚	48-120	7-8
return idlers		
steel rolls	48-120	7-8

carrying idler types



Troughed belt idlers for general carrying service are available with trough angles of 20˚, 35˚, and 45˚.

models: F5701, F5801, F5702, F5802, F5728, F5828

CEMA classification

series no.	roll dia., in.	basic idler nomenclature	CEMA class old	CEMA class new
F5000	7	F5700	none	F7
F5000	8	F5800	none	F8

return idler types

Return belt idlers carry the empty belt on the return run.

models: F5717, F5817

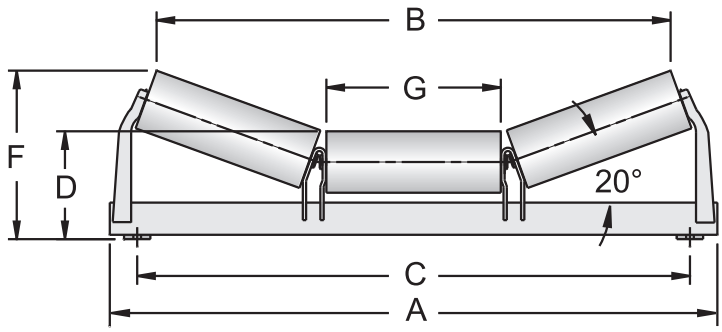
F5000 IDLER LOAD RATINGS				
Belt Width (in.)	Trough		Return	
	CEMA (lbs)	F5000 (lbs)	CEMA (lbs)	F5000 (lbs)
48	–	3800	–	2400
54	–	3800	–	2300
60	3000	3800	1500	2200
72	3000	3800	1200	2000
84	3000	3800	900	2100
96	2800	3800	600	1900
108	–	3800	–	1700
120	–	3800	–	1600

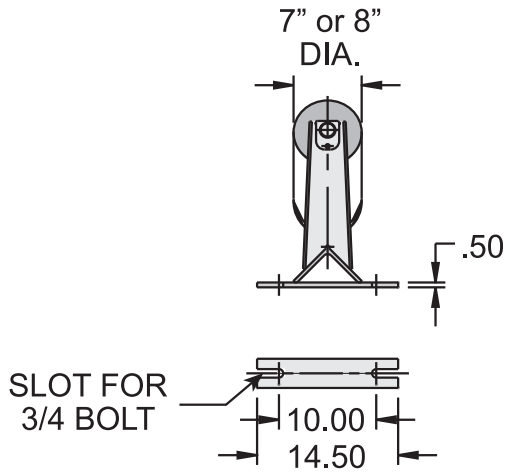
CAUTION: Link-Belt Conveyor idlers must be installed, operated and maintained in accordance with accompanying FMC Technologies Service Instructions. Failure to follow these instructions can result in serious personal injury, property damage or both.

FMC Technologies Service Instructions are available for download at www.fmctechnologies.com/materialhandling.

For 10,000 series idlers consult our factory.

steel rolls



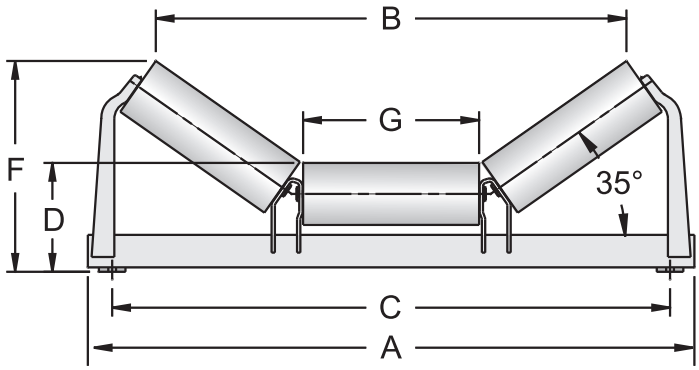


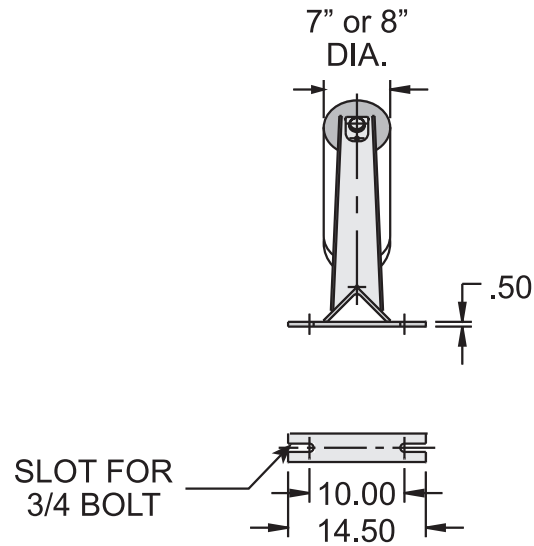
CEMA F

Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	D	F	G
				Inches					
48	7"	F5701-48	279	63.00	52.44	57.00	12.31	18.50	17.75
	8"	F5801-48	293	63.00	51.81	57.00	12.81	18.88	17.44
54	7"	F5701-54	306	69.25	58.56	63.00	12.31	19.19	19.88
	8"	F5801-54	321	69.25	57.94	63.00	12.81	19.62	19.56
60	7"	F5701-60	332	76.00	64.69	69.00	12.31	19.94	22.00
	8"	F5801-60	349	76.00	64.06	69.00	12.81	20.38	21.69
66	7"	F5701-66	384	82.00	70.81	75.00	12.31	20.69	24.12
	8"	F5801-66	403	82.00	70.19	75.00	12.81	21.12	23.81
72	7"	F5701-72	412	88.00	76.94	81.00	12.31	21.44	26.25
	8"	F5801-72	432	88.00	76.31	81.00	12.81	21.88	25.94
78	7"	F5701-78	440	94.00	83.06	87.00	12.31	22.19	28.38
	8"	F5801-78	461	94.00	82.44	87.00	12.81	22.56	28.06
84	7"	F5701-84	457	100.00	89.19	93.00	13.00	23.56	30.50
	8"	F5801-84	479	100.00	88.56	93.00	13.50	23.94	30.19
96	7"	F5701-96	512	112.50	101.44	105.00	13.00	25.00	34.75
	8"	F5801-96	537	112.50	100.81	105.00	13.50	25.44	34.44
108	7"	F5701-108	616	125.00	113.69	117.00	13.06	26.50	39.00
	8"	F5801-108	644	125.00	113.00	117.00	13.56	26.94	38.69
120	7"	F5701-120	676	137.50	125.88	129.00	13.06	27.94	43.25
	8"	F5801-120	707	137.50	125.25	129.00	13.56	28.38	42.94

35° troughed belt idlers equal length rolls

steel rolls

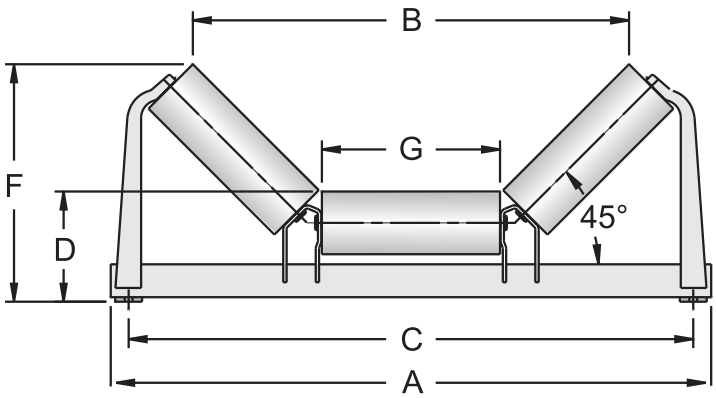


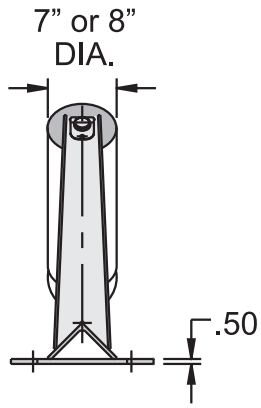


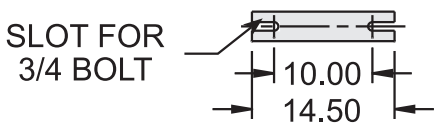
CEMA F

Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	D	F	G
				Inches					
48	7”	F5728-48	287	63.00	47.56	57.00	12.31	22.62	17.75
	8”	F5828-48	301	63.00	46.69	57.00	12.81	22.94	17.44
54	7”	F5728-54	313	68.50	53.12	63.00	12.31	23.81	19.88
	8”	F5828-54	328	68.50	52.31	63.00	12.81	24.12	19.56
60	7”	F5728-60	339	74.25	58.75	69.00	12.31	25.00	22.00
	8”	F5828-60	356	74.25	57.94	69.00	12.81	25.38	21.69
66	7”	F5728-66	392	80.25	64.38	75.00	12.31	26.31	24.12
	8”	F5828-66	410	80.25	63.56	75.00	12.81	26.62	23.81
72	7”	F5728-72	420	86.00	70.00	81.00	12.31	27.50	26.25
	8”	F5828-72	440	86.00	69.12	81.00	12.81	27.81	25.94
78	7”	F5728-78	449	92.00	75.56	87.00	12.31	28.75	28.38
	8”	F5828-78	470	92.00	74.75	87.00	12.81	29.06	28.06
84	7”	F5728-84	466	97.50	81.19	93.00	13.00	30.62	30.50
	8”	F5828-84	489	97.50	80.38	93.00	13.50	30.94	30.19
96	7”	F5728-96	523	109.50	92.38	105.00	13.00	33.06	34.75
	8”	F5828-96	548	109.50	91.56	105.00	13.50	33.38	34.44
108	7”	F5728-108	626	121.00	103.62	117.00	13.06	35.56	39.00
	8”	F5828-108	654	121.00	102.81	117.00	13.56	35.88	38.69
120	7”	F5728-120	686	132.00	114.81	129.00	13.06	37.94	43.25
	8”	F5828-120	717	132.00	114.00	129.00	13.56	38.31	42.94

steel rolls





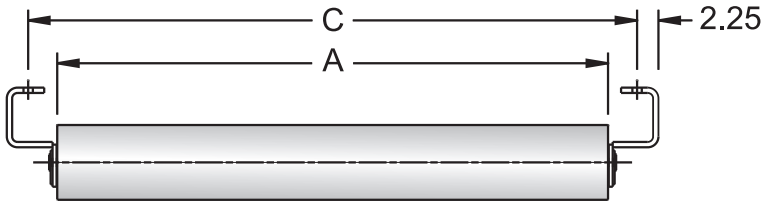


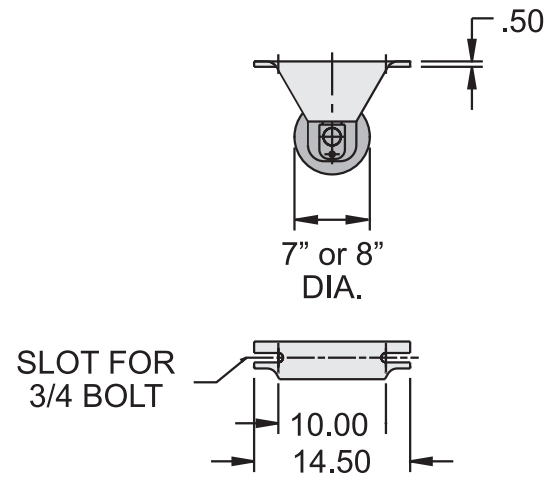
CEMA F

Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	D	F	G
				Inches					
48	7”	F5702-48	290	61.00	43.56	57.00	12.31	25.00	17.75
	8”	F5802-48	304	61.00	42.62	57.00	12.81	25.25	17.44
54	7”	F5702-54	317	67.00	48.69	63.00	12.31	26.50	19.88
	8”	F5802-54	333	67.00	47.75	63.00	12.81	26.75	19.56
60	7”	F5702-60	344	72.00	53.81	69.00	12.31	28.00	22.00
	8”	F5802-60	360	72.00	52.88	69.00	12.81	28.25	21.69
66	7”	F5702-66	396	78.00	58.94	75.00	12.31	29.56	24.12
	8”	F5802-66	414	78.00	58.00	75.00	12.81	29.81	23.81
72	7”	F5702-72	426	84.00	64.06	81.00	12.31	31.06	26.25
	8”	F5802-72	445	84.00	63.12	81.00	12.81	31.31	25.94
78	7”	F5702-78	455	90.00	69.19	87.00	12.31	32.56	28.38
	8”	F5802-78	476	90.00	68.25	87.00	12.81	32.81	28.06
84	7”	F5702-84	474	96.00	74.31	93.00	13.00	34.69	30.50
	8”	F5802-84	496	96.00	73.38	93.00	13.50	34.94	30.19
96	7”	F5702-96	532	108.00	84.62	105.00	13.00	37.69	34.75
	8”	F5802-96	557	108.00	83.69	105.00	13.50	37.94	34.44
108	7”	F5702-108	637	120.00	94.88	117.00	13.06	40.75	39.00
	8”	F5802-108	665	120.00	93.94	117.00	13.56	41.00	38.69
120	7”	F5702-120	700	132.00	105.12	129.00	13.06	43.75	43.25
	8”	F5802-120	731	132.00	104.19	129.00	13.56	44.00	42.94

45° return belt idlers

steel rolls





CEMA F

Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	C
				Inches	
48	7"	F5717-48	189	51.56	57.00
	8"	F5817-48	201	51.25	57.00
54	7"	F5717-54	206	57.56	63.00
	8"	F5817-54	220	57.25	63.00
60	7"	F5717-60	224	63.56	69.00
	8"	F5817-60	239	69.25	69.00
66	7"	F5717-66	241	69.56	75.00
	8"	F5817-66	258	69.25	75.00
72	7"	F5717-72	259	75.56	81.00
	8"	F5817-72	276	75.25	81.00
78	7"	F5717-78	277	81.56	87.00
	8"	F5817-78	295	81.25	87.00
84	7"	F5717-84	294	87.56	93.00
	8"	F5817-84	314	87.25	93.00
96	7"	F5717-96	329	99.56	105.00
	8"	F5817-96	352	99.25	105.00
108	7"	F5717-108	365	111.56	117.00
	8"	F5817-108	390	111.25	117.00
120	7"	F5717-120	400	123.56	129.00
	8"	F5817-120	428	123.25	129.00

series 40,000 and 70,000 catenary belt conveyor idlers

Link-Belt Series 40,000 and 70,000 Catenary Belt Conveyor Idlers combine the proven capabilities of the Link-Belt roll design with the benefits of a catenary suspension to form a smooth natural trough and ideal load conveying surface.

Series 40,000 and 70,000 Catenary Idlers are manufactured to withstand heavy impact at loading and transfer points as required by wide belts through 96-inch width. Superior performance and proven dependability are the result of rugged roll construction, exclusive labyrinth seal design and high-capacity "sealed for life" tapered roller bearings.

Especially suited to loading areas or transfer points in reclaiming installations where high impact loads must be absorbed, these catenary idlers have the design and built-in ability to adjust under varying loading conditions.

The Series 40,000 exclusive outboard seal effectively protects bearings three ways… a triple lip nitrile rubber primary seal… triple labyrinth… and grease-filled clearances. This design makes the idlers impervious to moisture and contaminants, extending idler life.

The complete line of Link-Belt Series 40,000 Catenary Belt Conveyor Idlers includes 35° 3-roll Troughing Idlers, 55° 5-roll Impact Idlers, and 10° and 15° 2-roll V-Return Idlers. V-Return Idlers are supplied with steel rolls. This full range of idlers provides the design engineer with components required to select an efficient material conveying system.

All Series 40,000 idlers are available for belt widths from 36 up to 96-inches and can be supplied with either 6- or 7-inch diameter rolls. Prior to shipping, rolls are protected by a baked on polymeric powder coating.

When load carrying requirements exceed standard limitations, the Series 70,000 Catenary Idler provides more than double the capacity of the Series 40,000 Belt Conveyor Idler.

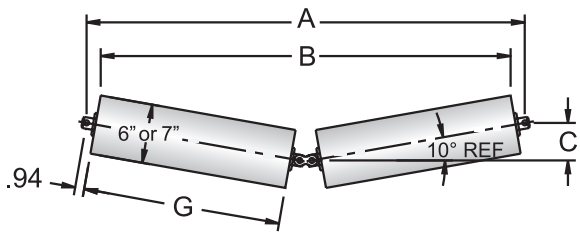
Catenary Chain Connecting Devices are an economical and effective means for suspension of 3-roll Troughing Idlers and 2-roll V-Return Idlers. A bar link arrangement for 5-roll Impact Idlers is also available. There are various other Connecting Devices available for the Link-Belt Catenary Idlers which allow the conveyor designer complete freedom in choice of support structures. Details can be furnished upon request. Quick Disconnect Devices for FMC Technologies Catenary Idlers can also be provided, which permit operators to drop an idler out of service without stopping the conveyor.

Your local FMC Technologies Territory Manager can help you select the proper Link-Belt Catenary Belt Conveyor Idler to provide long, trouble-free belt conveyor performance.

…featuring impact resistance and load adaptability for smooth conveying

10° 2-roll v-return idlers

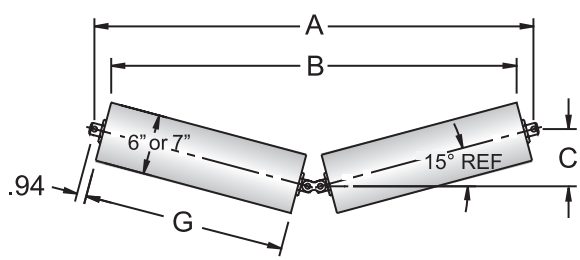
40,000



Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	G
				Inches			
36	6"	40656-36	91	44.56	41.69	3.81	20.12
	7"	40756-36	102	44.56	41.50	3.81	20.12
42	6"	40656-42	106	51.88	48.94	4.44	23.81
	7"	40756-42	119	51.88	48.81	4.44	23.81
48	6"	40656-48	119	58.12	55.25	5.00	27.00
	7"	40756-48	133	58.12	55.06	5.00	27.00
54	6"	40656-54	137	66.75	63.88	5.81	31.38
	7"	40756-54	153	66.75	63.69	5.81	31.38
60	6"	40656-60	146	71.44	68.56	6.19	33.75
	7"	40756-60	163	71.44	68.38	6.19	33.75
72	6"	40656-72	173	84.50	81.62	7.31	40.38
	7"	40756-72	193	84.50	81.44	7.31	40.38
84	6"	40656-84	198	96.31	93.44	8.38	46.38
	7"	40756-84	220	96.31	93.25	8.38	46.38
96	6"	40656-96	228	110.94	108.06	9.69	53.81
	7"	40756-96	254	110.94	107.88	9.69	53.81

15° 2-roll v-return idlers

40,000

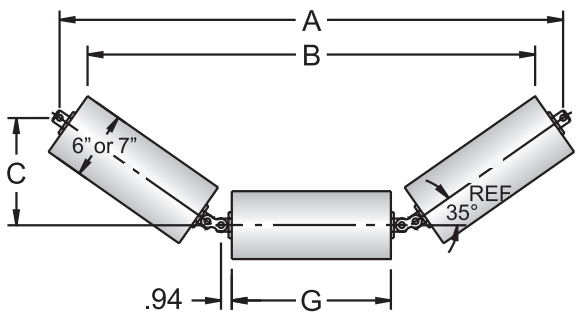


Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	G
				Inches			
36	6"	40656-36	91	43.75	40.38	5.69	20.12
	7"	40756-36	102	43.75	40.12	5.69	20.12
42	6"	40656-42	106	50.88	47.50	6.62	23.81
	7"	40756-42	119	50.88	47.25	6.62	23.81
48	6"	40656-48	119	57.06	53.69	7.50	27.00
	7"	40756-48	133	57.06	53.44	7.50	27.00
54	6"	40656-54	137	65.50	62.12	8.62	31.38
	7"	40756-54	153	65.50	61.88	8.62	31.38
60	6"	40656-60	146	70.06	66.69	9.25	33.75
	7"	40756-60	163	70.06	66.44	9.25	33.75
72	6"	40656-72	173	82.88	79.50	10.94	40.38
	7"	40756-72	193	82.88	79.25	10.94	40.38
84	6"	40656-84	198	94.50	91.12	12.50	46.38
	7"	40756-84	220	94.50	90.88	12.50	46.38
96	6"	40656-96	228	108.81	105.50	14.44	53.81
	7"	40756-96	254	108.81	105.19	14.44	53.81

3-roll troughing idlers 35°

40,000

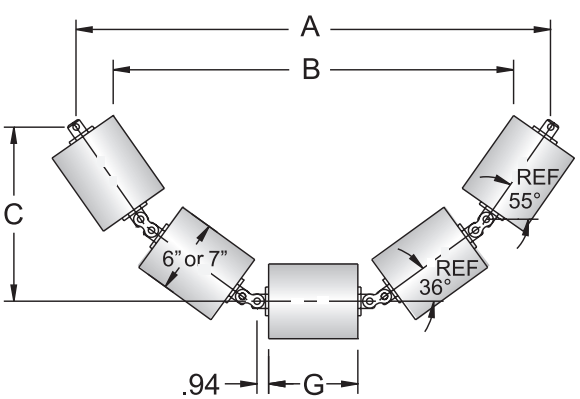
Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	G
				Inches			
36	6”	40655-36	100	44.44	39.50	9.44	14.06
	7”	40755-36	112	44.44	38.94	9.44	14.06
42	6”	40655-42	112	49.69	44.75	10.62	16.06
	7”	40755-42	126	49.69	44.19	10.62	16.06
48	6”	40655-48	125	55.00	50.06	11.75	18.06
	7”	40755-48	140	55.00	49.50	11.75	18.06
54	6”	40655-54	137	60.44	55.50	12.94	20.12
	7”	40755-54	153	60.44	54.94	12.94	20.12
60	6”	40655-60	151	66.38	61.44	14.25	22.38
	7”	40755-60	169	66.38	60.88	14.25	22.38
72	6”	40655-72	179	78.56	73.62	16.88	27.00
	7”	40755-72	200	78.56	73.06	16.88	27.00
84	6”	40655-84	206	90.12	85.19	19.38	31.38
	7”	40755-84	230	90.12	84.62	19.38	31.38
96	6”	40655-96	233	102.00	97.06	22.00	35.88
	7”	40755-96	260	102.00	96.50	22.00	35.88



5-roll impact idlers 55°

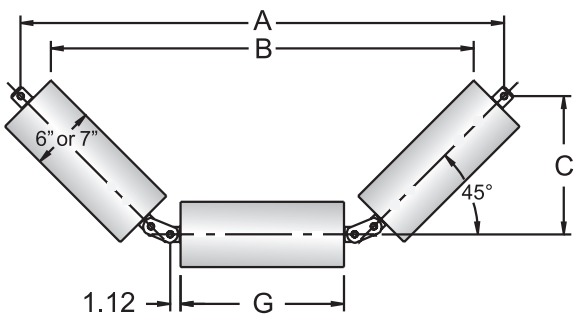
40,000

Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	G
				Inches			
36	6”	40657-36	98	38.31	32.31	14.06	7.19
	7”	40757-36	111	38.31	31.50	14.06	7.19
42	6”	40657-42	111	43.19	37.25	15.88	8.50
	7”	40757-42	126	43.19	36.38	15.88	8.50
48	6”	40657-48	127	49.12	43.12	18.06	10.06
	7”	40757-48	143	49.12	42.25	18.06	10.06
54	6”	40657-54	139	53.31	47.38	19.69	11.19
	7”	40757-54	156	53.31	46.56	19.69	11.19
60	6”	40657-60	152	58.25	52.31	21.50	12.50
	7”	40757-60	171	58.25	51.44	21.50	12.50
72	6”	40657-72	179	68.12	62.19	25.19	15.12
	7”	40757-72	200	68.12	61.31	25.12	15.12
84	6”	40657-84	209	79.19	73.25	29.31	18.06
	7”	40757-84	233	79.19	72.38	29.31	18.06
96	6”	40657-96	229	86.94	81.00	32.25	20.12
	7”	40757-96	257	86.94	80.12	32.25	20.12



45° 3-roll troughing idlers

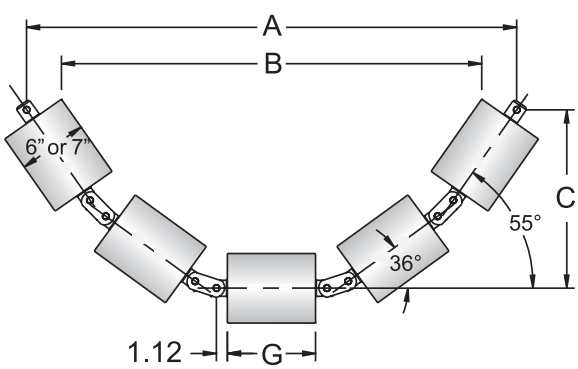
70,000



Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	G
				Inches			
48	6"	70655-48	166	52.00	46.12	14.88	17.56
	7"	70755-48	180	52.00	54.44	14.88	17.56
54	6"	70655-54	182	56.94	51.12	16.31	19.62
	7"	70755-54	198	56.94	50.44	16.31	19.62
60	6"	70655-60	198	61.62	55.81	17.69	21.56
	7"	70755-60	215	61.62	55.12	17.69	21.56
72	6"	70655-72	231	71.31	65.44	20.56	25.56
	7"	70755-72	251	71.31	64.75	20.56	25.56
84	6"	70655-84	263	80.94	75.12	23.38	29.56
	7"	70755-84	286	80.94	74.44	23.38	29.56
96	6"	70655-96	296	90.62	84.81	26.19	33.56
	7"	70755-96	321	90.62	84.06	26.19	33.56

55° 5-roll impact idlers

70,000

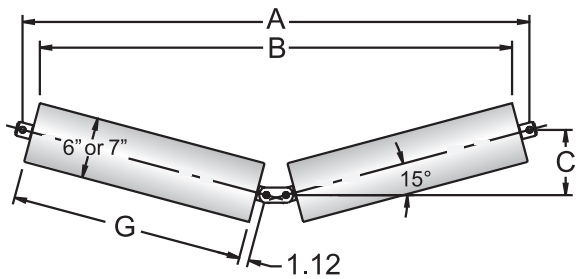


Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	G
				Inches			
48	6"	70657-48	160	49.31	43.12	17.94	8.88
	7"	70757-48	174	49.31	42.31	17.94	8.88
54	6"	70657-54	177	54.00	47.81	19.69	10.12
	7"	70757-54	193	54.00	47.00	19.69	10.12
60	6"	70657-60	193	58.50	52.31	21.38	11.31
	7"	70757-60	210	58.50	51.50	21.38	11.31
72	6"	70657-72	226	67.69	61.50	24.81	13.75
	7"	70757-72	246	67.69	60.62	24.81	13.75
84	6"	70657-84	259	76.88	70.69	28.25	16.19
	7"	70757-84	282	76.88	69.81	28.25	16.19
96	6"	70657-96	292	86.00	79.81	31.69	18.62
	7"	70757-96	317	86.00	79.00	31.69	18.62

2-roll v-return idler 15°

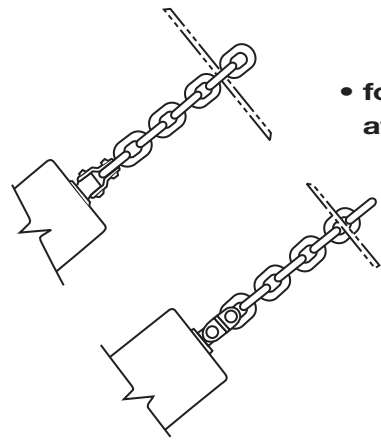
70,000

Belt width, inches	Dia.	Idler number	Idler weight, pounds	A	B	C	G
				Inches			
48	6”	70656-48	160	58.25	54.56	7.50	26.75
	7”	70756-48	173	58.25	54.31	7.50	26.75
54	6”	70656-54	176	64.06	60.31	8.31	29.75
	7”	70756-54	191	64.06	60.06	8.31	29.75
60	6”	70656-60	192	69.88	66.12	9.06	32.75
	7”	70756-60	209	69.88	65.88	9.06	32.75
72	6”	70656-72	225	81.44	77.75	10.62	38.75
	7”	70756-72	244	81.44	77.50	10.62	38.75
84	6”	70656-84	257	93.06	89.31	12.19	44.75
	7”	70756-84	279	93.06	89.06	12.19	44.75
96	6”	70656-96	290	104.62	100.94	13.75	50.75
	7”	70756-96	314	104.62	100.62	13.75	50.75

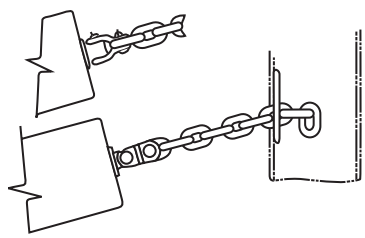


catenary connecting devices

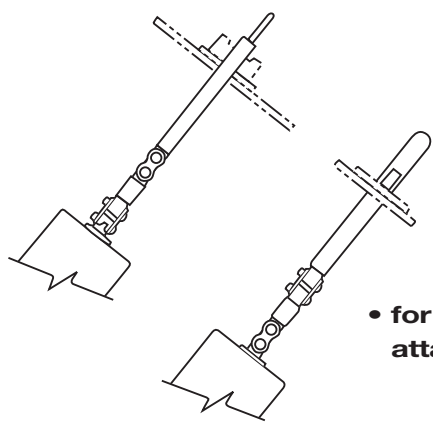
The designs of support structures for Catenary Idlers are not limited. The Link-Belt range of standard designs of Catenary Connecting Devices accommodates most applications. Typical connecting devices are illustrated. Other designs are available upon request. Heavy-duty chain links on each end of the Catenary Idler Suspension Assembly compensate for variable distances between support structures.



- **for 3-roll assembly attachment A**



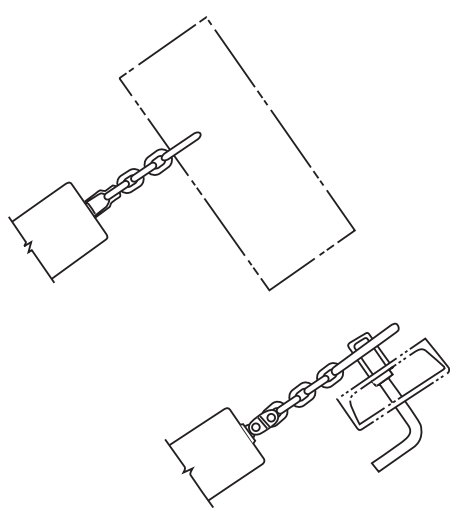
- **for 2-roll v-return assembly attachment B**



- **for 5-roll impact assembly attachment C**

catenary quick disconnect

The Quick Disconnect will permit dropping an idler assembly out of service without stopping the conveyor. A simple mechanical device facilitates quick operation.



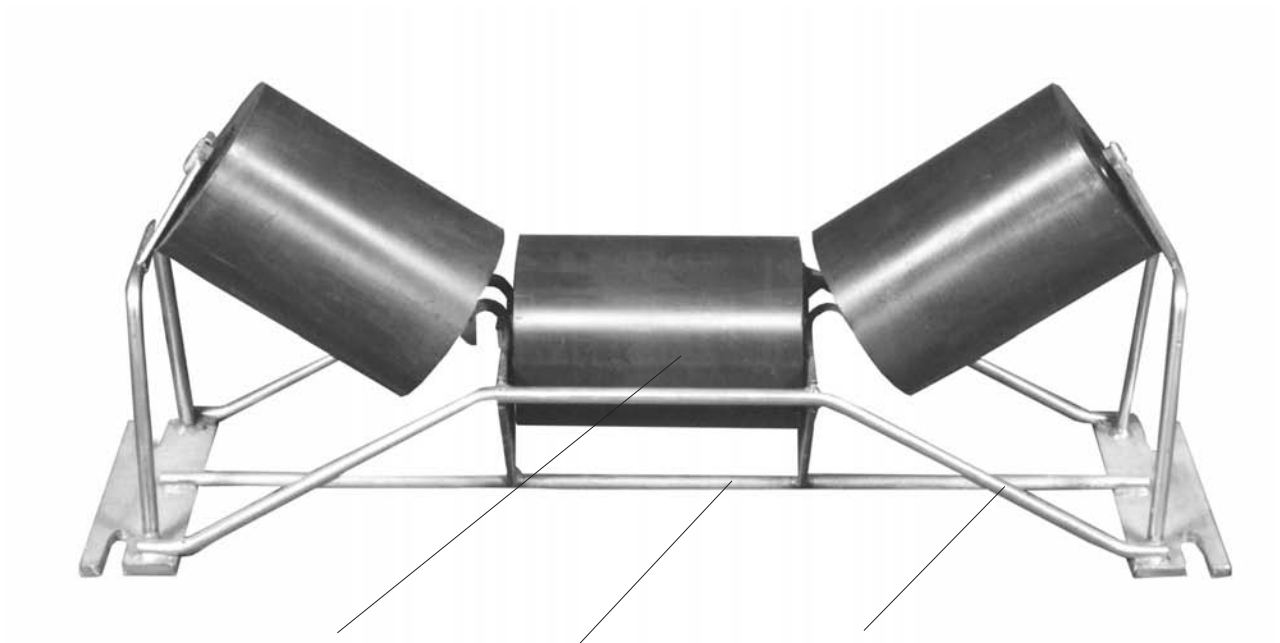
truss frame idler

FMC Technologies continues to lead the industry with a commitment to produce the most innovative, specialized belt conveyor equipment available to assist you in solving your unique material handling requirements.

We are very proud of our patented “Link-Belt Truss Frame Idler” for CEMA D load requirements. Dimensionally interchangeable with all CEMA C/D Series idlers, FMC Truss Idler features a light-weight frame member that is fabricated from round bar stock to reduce the frame weight by 50%. An added benefit of this truss frame design is a 40% increase in load rating as compared to the conventional CEMA D inverted angle frame. The design of the frame, with rounded surfaces and the lowest roll gap available (.25 mm), ensures against costly material spillage buildup around the idler that may impede production. The Link-Belt Truss Idler is available in a variety of materials: #304SS, #316SS and of course, carbon steel. This is especially critical in today’s markets for the handling of harsh chemicals, phosphate, salt, acids and many other corrosive materials that tend to shorten the life of your equipment. For these caustic applications we complete the offering by placing premium HDPE Polyethylene rollers into the stainless steel or carbon steel frame. The polyethylene rollers greatly extend the life of your belt conveyor equipment while reducing costly maintenance and downtime.

Whether your goal is to reduce equipment weight or to extend equipment life subjected to a harsh material-handling environment, the Link-Belt Truss Frame Idler is your ultimate solution.

For additional assistance in selecting the proper Truss Frame Idler to solve your problems, please contact your FMC Technologies Customer Service Representative at 1-800-356-4898.



Polyethylene rolls

Frame options:

- **#304SS**
- **#316SS**
- **Carbon Steel**

Resists corrosion and material buildup

Lightweight for simple installation

impact slider system

FMC Technologies now offers a super efficient, simple to install, modular, Impact Slider System that solves your heavy loading problems while reducing wear and tear on the belt, minimizing downtime, and increasing productivity.

The FMC Technologies Impact Slider System premier design begins with FMC's CEMA C/D or E heavy duty impact idler frame, featuring demountable end brackets, solid steel reinforcing plates welded underneath cross angles, and steel gusset plates welded to the center brackets on both sides, for unparalleled strength. Custom designed steel roll replacement inserts fit snugly in each idler frame. The inserts are slotted to accept the T-bolts that securely connect the impact bars to the inserts. One person can easily mount the solid, one-piece impact bars to the inserts to complete the system.

The 3-inch thick impact bars are designed and manufactured utilizing premium 3/8-inch UHMW top covers that are bonded to massive solid rubber pads to absorb the impact shock loading. This design allows for the UHMW to provide a low coefficient of friction and the rubber to absorb the impact.

The complete line of FMC Technologies Slider Systems range from CEMA C, 24-inch belt width through CEMA E, 96-inch belt width. The sections are available in 20, 35, and 45-degree inclinations in 4, 5, and 6-foot lengths. The impact bars, inserts, and frames are packaged and shipped loose for ease of field assembly.

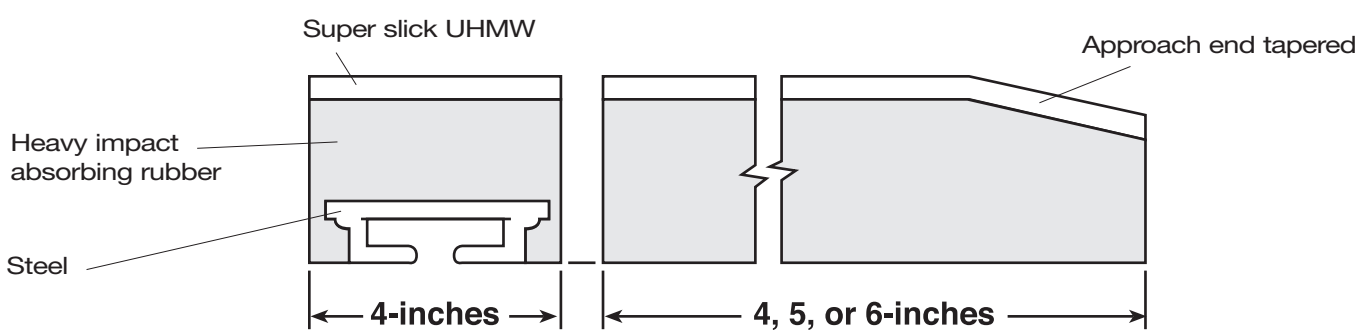
We can also convert your existing conventional impact idlers to Slider Systems by furnishing custom roll replacement inserts to "retrofit" all major idler manufacturers.

FMC Technologies Slider System Value Added Features:

- Modular design for easy, 1 person installation
- Solid 1 piece bar allows easy replacement
- T-bolts mount from bottom of unit in steel channel to prevent belt damage
- Rugged, heavy duty, impact frame
- Easy conversion from standard impact idlers

...to solve your heavy loading problems.

impact bar



conveyor belt alignment

A belt conveyor which is properly designed, constructed, erected, and maintained theoretically will consistently run true without concern for belt misalignment. However, in actuality, properly aligned belts are normally the exception rather than the rule. The following belt training troubleshooting guide is provided to assist you in your efforts to correct belt misalignment problems that invariably lead to premature failure of belting, idlers, and pulleys. Please follow these steps to ensure satisfactory performance of your belt conveyors:

1. Square and level the head and tail pulleys with their axis at 90 degrees to the intended path of the belt.
2. Square all carrying and return idlers with the conveyor frame during the belt conveyor installation, be sure the idlers are in line and lie in the same horizontal plane, and secure all attachment bolts.
3. Level all frames to ensure a cross-section parallel to the ground plane. If one side of the conveyor frame is lower than the other, gravity will force the belt off-center.
4. The belt must be straight and the belt splice square. If side creep occurs only in the vicinity of the belt splice, the splice may not be square with the belt. In general, if detraining follows the belt movement, there is a problem with the belt. If it remains in one general vicinity, there are other problems with the conveyor. Some new belts may tend to wander to one side, in a certain position or portions of their length, because of temporary lateral mal-distributions of tension. Operation of the belt under tension corrects this condition in practically all cases. Use of self-aligning idlers will aid in making the correction.
5. The belt should make constant contact with all troughed idler rollers.
6. Conveyed material should always be centrally loaded onto the belt by means of chutework, loading hoppers, skirtboarding, etc.

There may be occasion when the above procedure is not sufficient and the belt detrains to one side. The following corrective measures may be initiated to prevent side movement:

1. While running the belt at the lowest speed possible, find the point of maximum side motion. The idler preceding this point along the direction of belt travel can be adjusted to minimize side movement. The belt may be centered by pivoting, or “knocking” ahead (in the direction of belt travel) the end of the idler to which the belt runs. Shifting idlers in this way should be spread over some length of the conveyor preceding the region of trouble. Once the belt is centered, increase belt speed and load the belt with material. Continue adjusting until normal operating conditions do not cause the belt to misalign.
2. Recheck pulley alignment to ensure that they are level and with their axes at 90 degrees to the intended path of the belt. Head and tail pulleys should not be shifted in an effort to center the belt with the exception of the snub pulleys which may have their axes shifted when other training measures have failed.
3. Training idlers are not intended to compensate for a belt that has been poorly aligned, or to correct for off-center loading conditions. However, both troughed training and return training positive action idlers are recommended for lengthy conveyors to assist in correcting and recentering occasional wandering belts. They should normally be located 50 feet from terminal pulleys and spaced 50 to 100 feet. Free rotation of the trainer’s vertical actuating rolls is essential for proper operation of the idler. Please refer to the index page 103 in this publication for FMC Technologies model numbers and complete dimensional information regarding Link-Belt positive action training idlers.
4. Recheck conveyor belt to verify that all splices are correct and square.
5. If the above steps do not resolve the belt training issues, the conveyor should be laser aligned and corrective action taken based upon the survey data.

FMC Technologies MHS powder coat painting process specification

All of FMC Idler rollers and frames are processed through an automated state of the art surface treatment and painting process. The parts begin their surface treatment by hanging bare metal parts on a powered chain conveyor system. The parts pass through a three stage Iron Phosphate Conversion Coating Washer System.

The iron phosphate system is a chemical conversion coating that transforms the surface of the base metal into a nonmetallic crystalline coating. This crystalline coating applied as an interface between the bare metal and the finish top coat of paint can significantly increase corrosion resistance even though it is micro thin.

Within the first stage, the parts are cleaned with an incorporated detergent system to clean and apply an iron phosphate primer coating all in one step. To allow the coating to form, the bath temperature must be maintained at 100-140 degrees Fahrenheit, and the parts remain inside the bath for a minimum of 5 minutes. The second and third stages are fresh water rinse baths that remove all unwanted impurities from all part surfaces.

The conveyor continues through a flash drying process and the parts are immediately painted by an automated electrostatic paint application system. A polyester TGIC paint is normally applied but virtually any powder paint can be applied including Powder Epoxy. Film thicknesses are typically 2 to 5 mils.

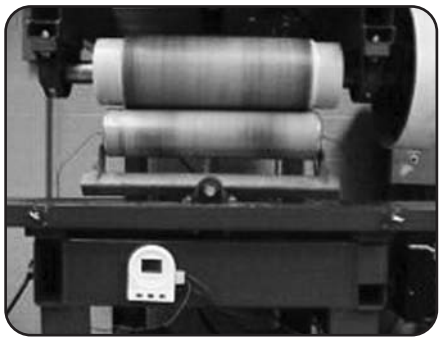
FMC standard paint is a Polyester TGIC Corvel Grey powder. The physical properties of the paint are:

Specific Gravity:	Calculated	1.58
Gloss:	(ASTM D523)	50-60% @ 70%
Adhesion Cross Hatch:	(ATSM D3359)	Pass
MEK Resistance:	(30 sec rub)	50+ DR
Salt Spray Resistance:	(ASTM B117)	500 HRS
Flexibility Conical Mandrel:	(ASTM D522)	¼” Pass
Pencil Hardness:	(ASTM D3363)	Record
Impact Resistance:	(ASTM D2794)	160/160 in lbs

The automated conveyor passes through a natural gas-fired curing oven that maintains the steel temperature at 300 degrees Fahrenheit for a minimum of 10 minutes. After a cool down process, the parts are removed to continue in the production of the finished idler products.

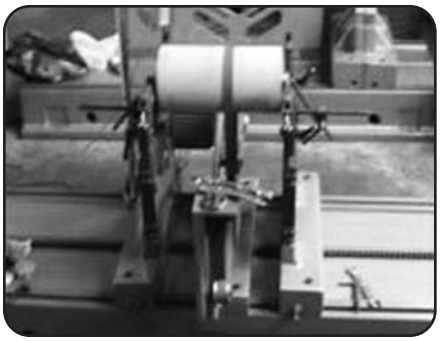
quality assurance testing

Load Testing



Rotates test roll under load. Bearing temperatures are monitored to indicate failure.

Roll Imbalance Testing



Rolls are tested for imbalance per ISO 1940.

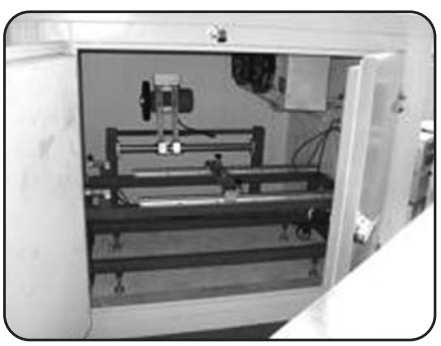
Oilsand Slurry Seal Testing

Mixture of oilsand, blasting sand and gear oil used as test medium. Screw agitators pull slurry toward seals. Inspection ports allow easy inspection of seal failure.

Water Resistance Testing

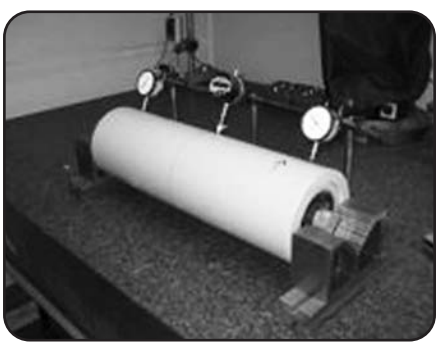
Rolls are weighed. Rolls are partially submerged and rotated. Rolls are weighed again to determine if any water bypassed the seal. This test is per DIN 22112-3.

Roll Resistance Testing



Rolls are placed in vee blocks. As the roll is rotated, the resistance needed to keep the shaft stationary is measured per DIN 22112-3.

Roll Concentricity Testing



Roll concentricity is tested in the center and near each end per DIN 22112-3.

to obtain a service manual:

FMC Technologies Service Instructions are available for download at www.fmctechnologies.com/materialhandling.

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